

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066165.D
 Acq On : 10 Aug 2020 15:33
 Operator : VA/SY
 Sample : VD0810SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/11/2020 3:19:27 PM

Quant Time: Aug 11 05:40:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	315061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	458924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	428410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	222340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142507	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
35) Dibromofluoromethane	7.91	113	147413	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.34	98	556903	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.63	95	200063	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56007	20.177	ug/l	98
3) Chloromethane	2.20	50	41033	19.003	ug/l	96
4) Vinyl Chloride	2.34	62	37553	19.644	ug/l	98
5) Bromomethane	2.74	94	24851	19.594	ug/l	86
6) Chloroethane	2.91	64	22956	19.563	ug/l #	85
7) Trichlorofluoromethane	3.26	101	93635	18.788	ug/l	100
8) Diethyl Ether	3.70	74	27684	19.686	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	57390	19.403	ug/l	99
10) Methyl Iodide	4.29	142	52239	23.507	ug/l	99
11) Tert butyl alcohol	5.22	59	25871	100.552	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	52414	18.785	ug/l	91
13) Acrolein	3.91	56	18801	84.032	ug/l	97
14) Allyl chloride	4.71	41	81659	19.318	ug/l	97
15) Acrylonitrile	5.42	53	56674	95.638	ug/l	97
16) Acetone	4.16	43	54330	101.869	ug/l	100
17) Carbon Disulfide	4.40	76	163414	18.420	ug/l #	94
18) Methyl Acetate	4.71	43	26676	19.692	ug/l	93
19) Methyl tert-butyl Ether	5.47	73	120380	18.823	ug/l	98
20) Methylene Chloride	4.96	84	77483	22.756	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	59165	18.458	ug/l	91
22) Diisopropyl ether	6.36	45	164533	19.683	ug/l	95
23) Vinyl Acetate	6.30	43	477649	97.536	ug/l	99
24) 1,1-Dichloroethane	6.26	63	98950	19.127	ug/l	98
25) 2-Butanone	7.21	43	75802	96.633	ug/l	95
26) 2,2-Dichloropropane	7.20	77	88581	19.105	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	62998	18.738	ug/l	96
28) Bromochloromethane	7.54	49	41112	22.627	ug/l #	98
29) Tetrahydrofuran	7.56	42	47428	97.587	ug/l	99
30) Chloroform	7.70	83	101647	18.713	ug/l	96
31) Cyclohexane	7.97	56	91029	18.485	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	97598	19.163	ug/l	97
36) 1,1-Dichloropropene	8.10	75	79805	18.506	ug/l	98
37) Ethyl Acetate	7.28	43	33147	19.399	ug/l	97
38) Carbon Tetrachloride	8.09	117	88639	18.431	ug/l	95

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Manual Integrations
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MMDadoda
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Quant Time: Aug 11 05:40:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	96730	18.555	ug/l	98
40) Benzene	8.34	78	225051	18.812	ug/l	98
41) Methacrylonitrile	7.53	41	22679	22.574	ug/l	88
42) 1,2-Dichloroethane	8.42	62	66831	19.016	ug/l	99
43) Isopropyl Acetate	8.45	43	65480	19.450	ug/l	99
44) Trichloroethene	9.10	130	69021	19.146	ug/l	95
45) 1,2-Dichloropropane	9.38	63	55783	19.065	ug/l	98
46) Dibromomethane	9.47	93	30564	18.964	ug/l	97
47) Bromodichloromethane	9.66	83	80715	18.949	ug/l	96
48) Methyl methacrylate	9.46	41	34357	19.986	ug/l	96
49) 1,4-Dioxane	9.46	88	7803	376.853	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	168165	97.246	ug/l	99
52) Toluene	10.40	92	151191	19.206	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	77234	19.106	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	92244	19.477	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	44069	18.989	ug/l	93
56) Ethyl methacrylate	10.66	69	53645	19.243	ug/l	97
57) 1,3-Dichloropropane	10.94	76	73472	19.070	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	133464	106.430	ug/l	99
59) 2-Hexanone	10.98	43	116946	96.360	ug/l	99
60) Dibromochloromethane	11.14	129	60036	18.738	ug/l	97
61) 1,2-Dibromoethane	11.24	107	43643	19.555	ug/l	100
64) Tetrachloroethene	10.87	164	60855	18.499	ug/l	96
65) Chlorobenzene	11.67	112	165682	19.051	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	63614	18.694	ug/l	98
67) Ethyl Benzene	11.74	91	286896	19.036	ug/l	100
68) m/p-Xylenes	11.86	106	221098	37.865	ug/l	97
69) o-Xylene	12.18	106	101048	19.024	ug/l	98
70) Styrene	12.20	104	178612	19.187	ug/l	99
71) Bromoform	12.36	173	38275	18.985	ug/l	# 99
73) Isopropylbenzene	12.48	105	280248	18.882	ug/l	99
74) N-amyl acetate	12.29	43	61435	18.798	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	49219	19.448	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	30569m	16.487	ug/l	
77) Bromobenzene	12.76	156	73154	19.147	ug/l	98
78) n-propylbenzene	12.82	91	325708	18.879	ug/l	99
79) 2-Chlorotoluene	12.91	91	190089	19.265	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	238858	19.244	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15835	18.879	ug/l	96
82) 4-Chlorotoluene	13.01	91	196334	18.849	ug/l	98
83) tert-Butylbenzene	13.23	119	209402	19.183	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	238614	19.209	ug/l	99
85) sec-Butylbenzene	13.40	105	281670	19.112	ug/l	99
86) p-Isopropyltoluene	13.52	119	267091	19.323	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	138095	19.232	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136453	19.055	ug/l	99
89) n-Butylbenzene	13.85	91	238661	19.271	ug/l	99
90) Hexachloroethane	14.11	117	51728	18.764	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	122038	19.218	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7994	18.379	ug/l	92

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ClientSampleId :
VD0810SBSD01

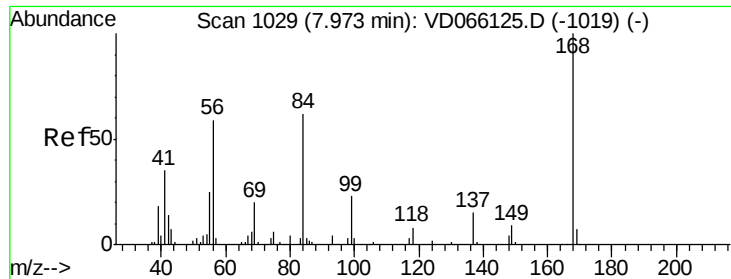
Manual Integrations
APPROVED

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Quant Time: Aug 11 05:40:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88384	18.886	ug/l	99
94) Hexachlorobutadiene	15.28	225	51915	18.839	ug/l	99
95) Naphthalene	15.41	128	144410	18.938	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	79110	19.149	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion:168 Resp: 315061

Ion Ratio Lower Upper

168 100

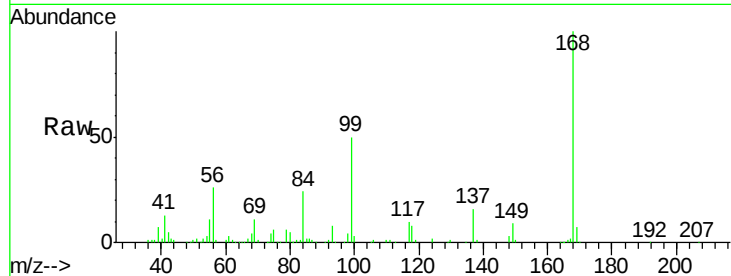
99 49.9 42.2 63.4

Manual Integrations

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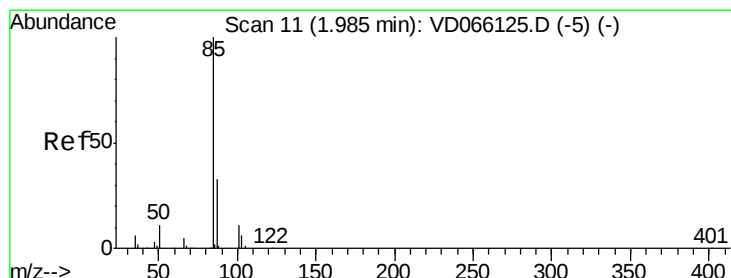
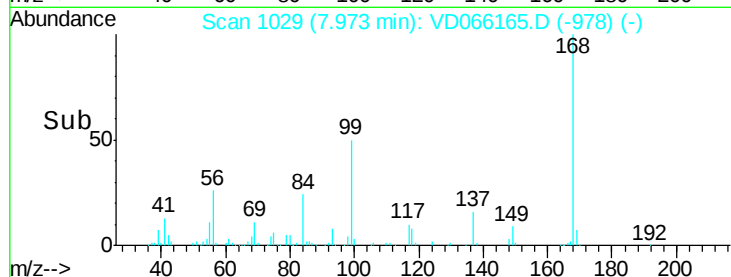
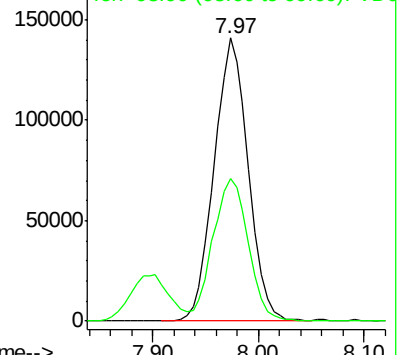
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.177 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066165.D

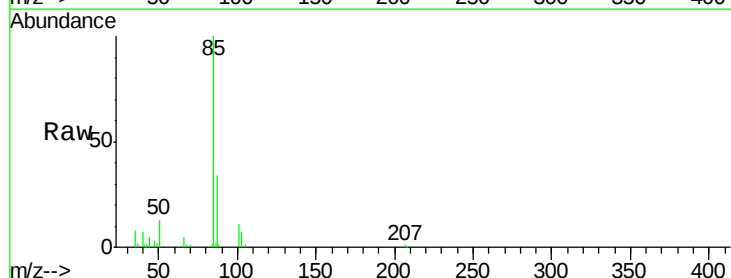
Acq: 10 Aug 2020 15:33

Tgt Ion: 85 Resp: 56007

Ion Ratio Lower Upper

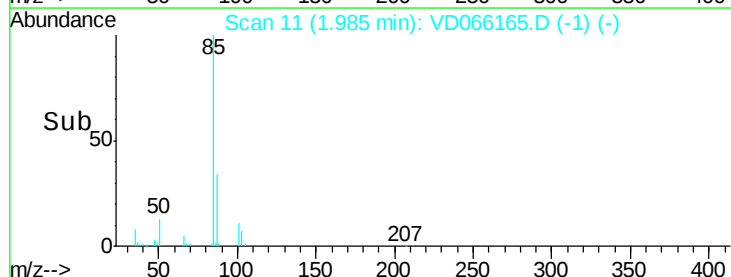
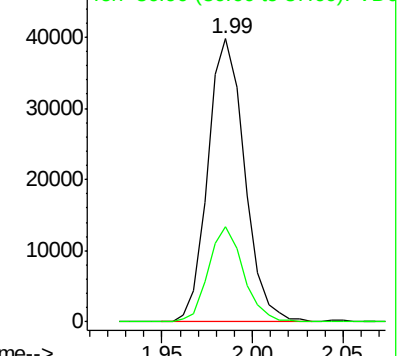
85 100

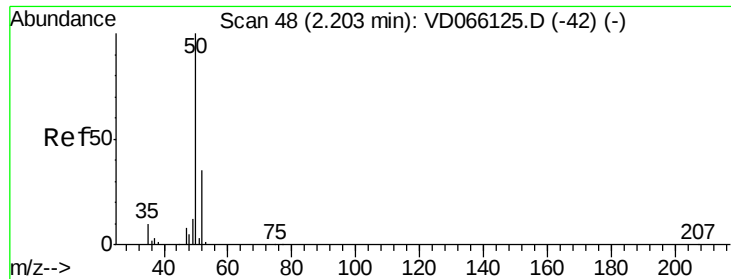
87 33.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.003 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 50 Resp: 41033

Ion Ratio Lower Upper

50 100

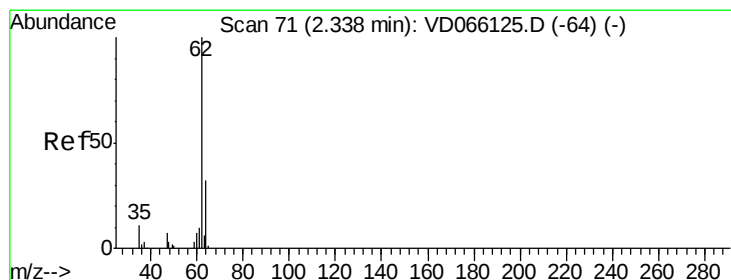
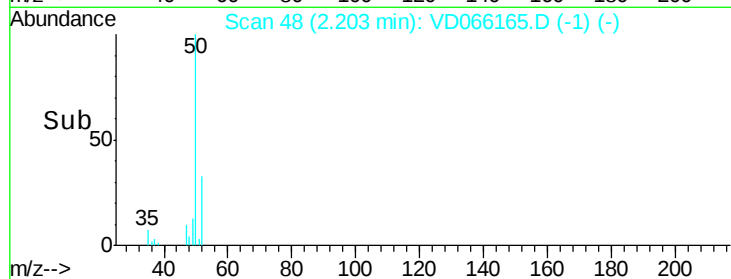
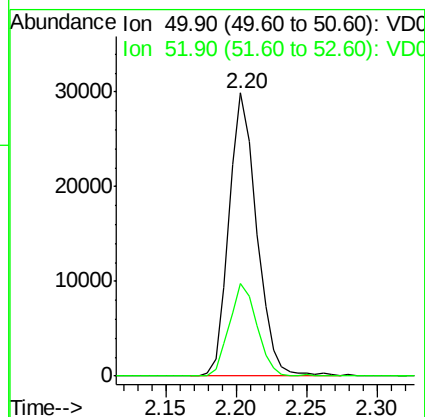
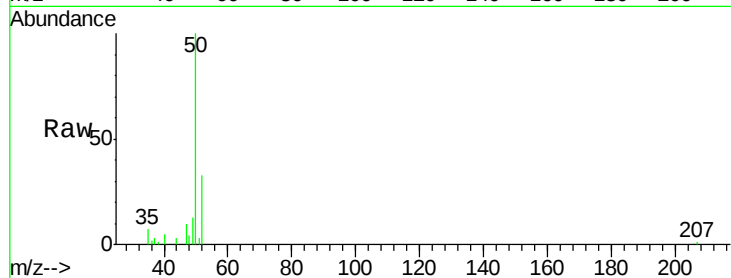
52 32.6 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.644 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066165.D

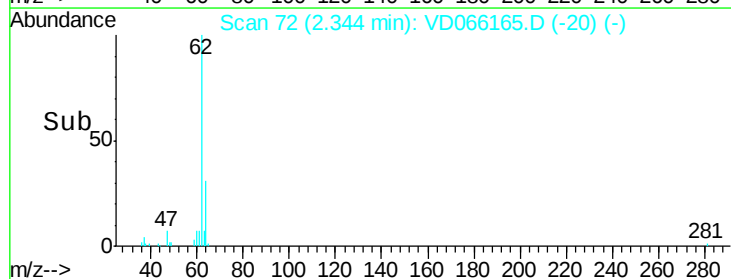
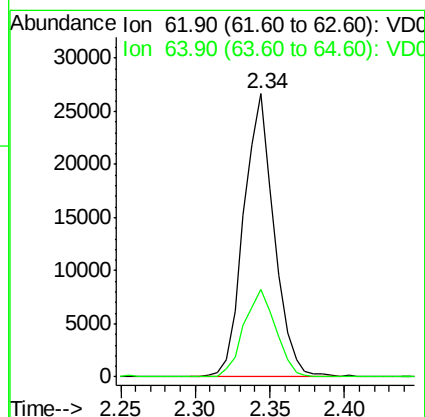
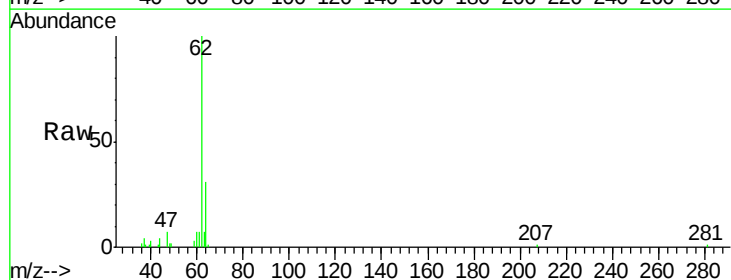
Acq: 10 Aug 2020 15:33

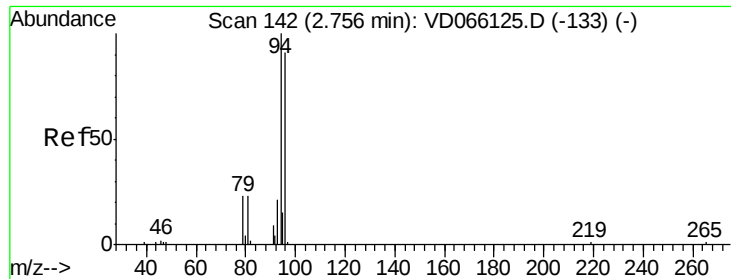
Tgt Ion: 62 Resp: 37553

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 19.594 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 94 Resp: 24851

Ion Ratio Lower Upper

94 100

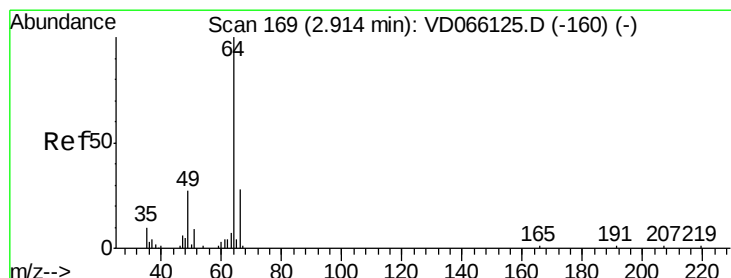
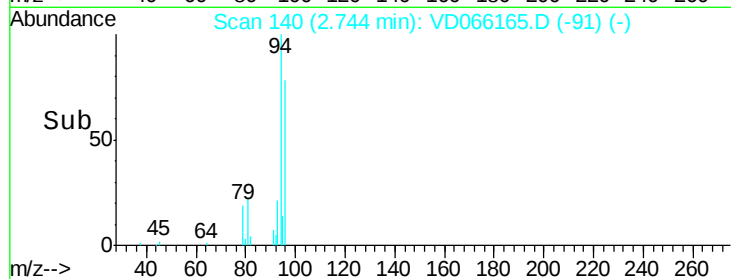
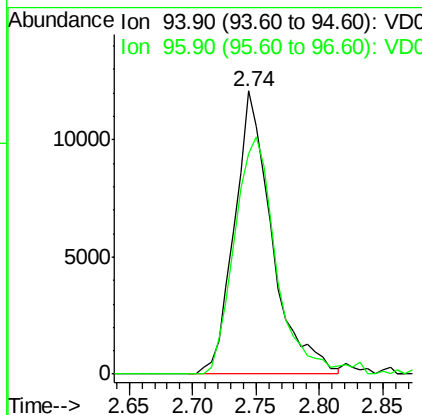
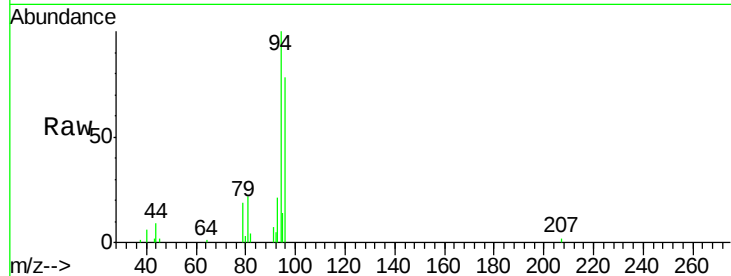
96 77.9 72.6 109.0

Manual Integrations

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#6

Chloroethane

Concen: 19.563 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066165.D

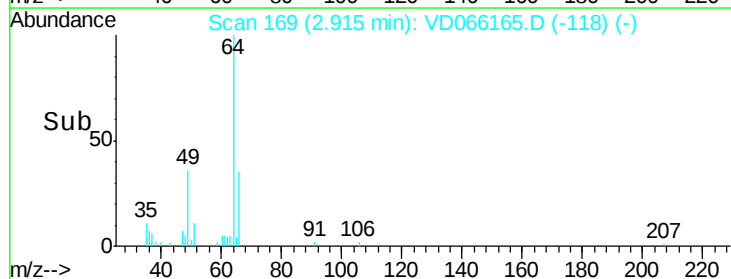
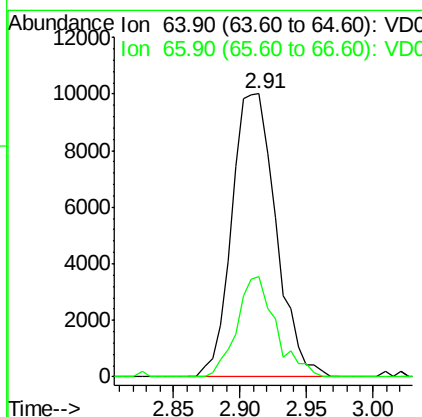
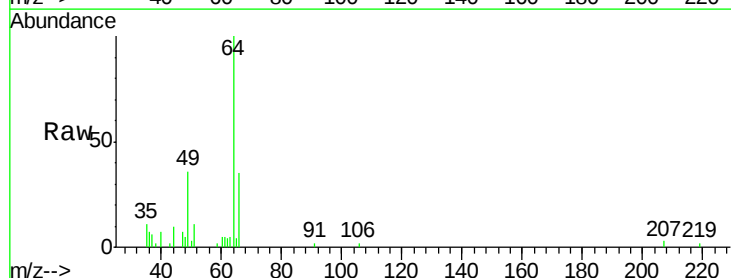
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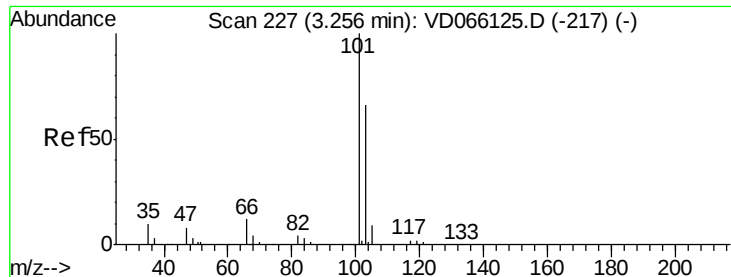
Tgt Ion: 64 Resp: 22956

Ion Ratio Lower Upper

64 100

66 35.3 22.0 33.0#





#7

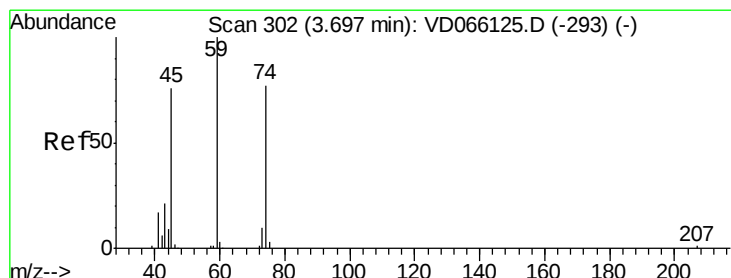
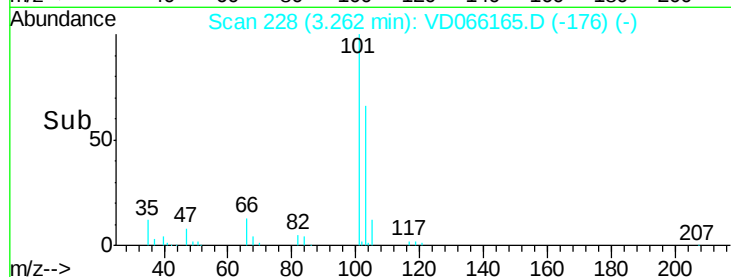
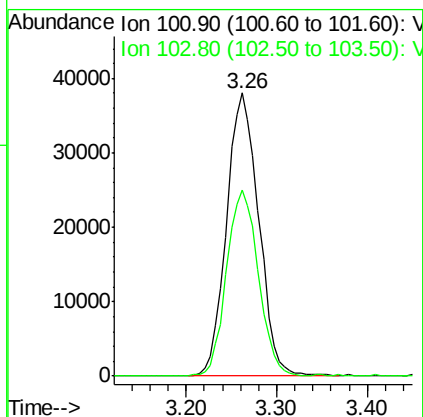
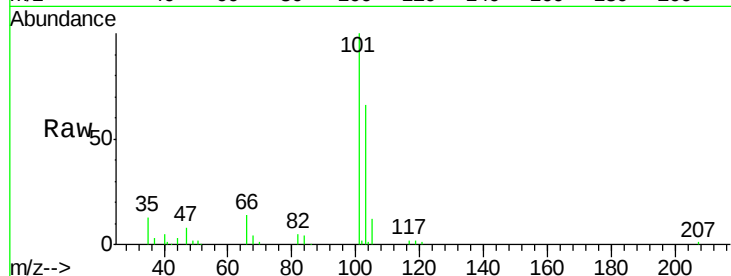
Trichlorofluoromethane
 Concen: 18.788 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

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 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	93635		
103	65.9	53.0	79.6	

Manual Integrations
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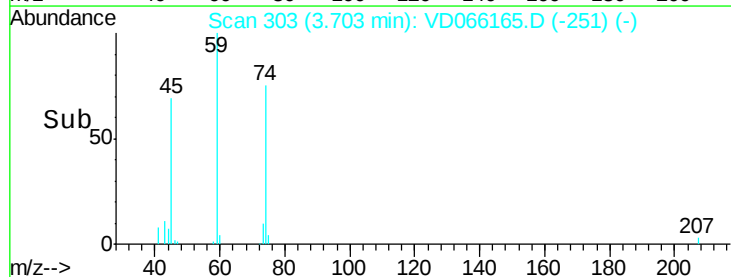
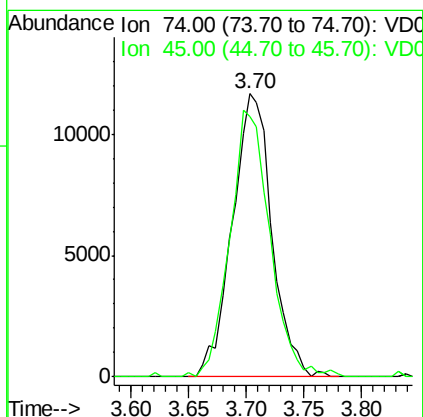
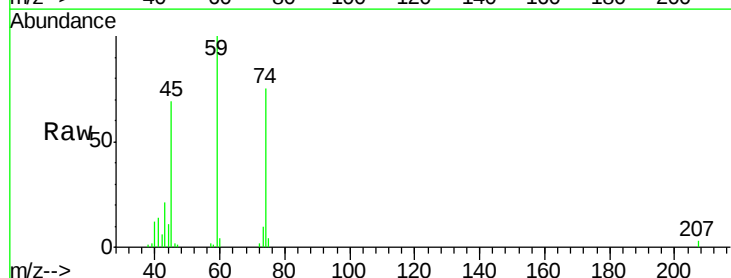
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 8/11/2020 3:19:27 PM

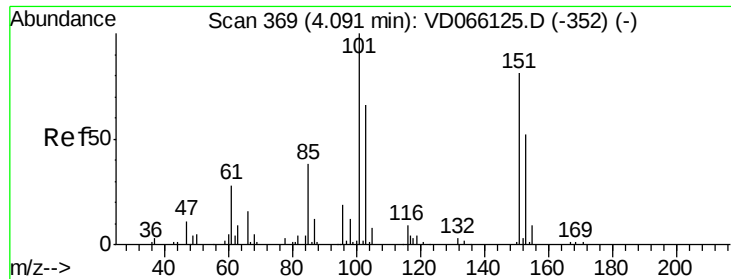


#8

Diethyl Ether
 Concen: 19.686 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27684		
45	95.3	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.403 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

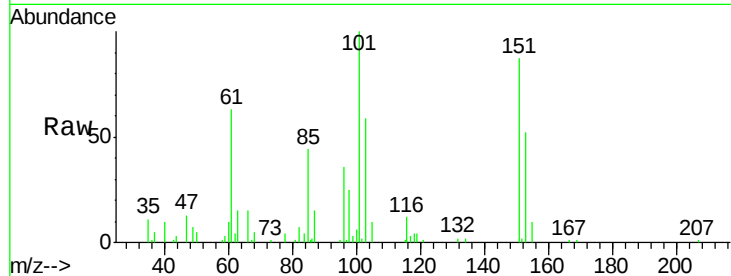
ClientSampleId :

VD0810SBS01

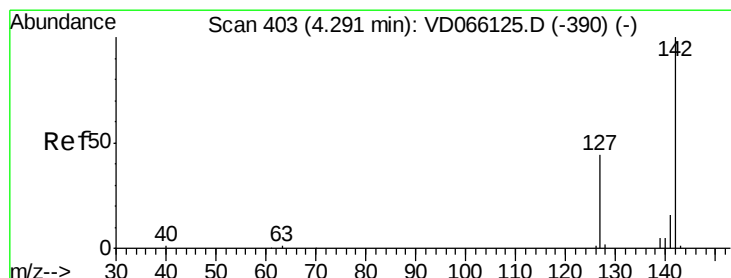
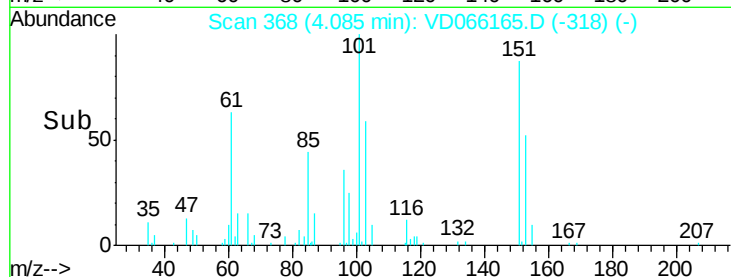
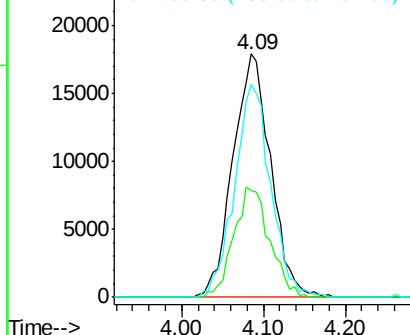
Tot Ion:	101	Resp:	57390
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.5	50.3
151	84.0	67.8	101.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.507 ug/l

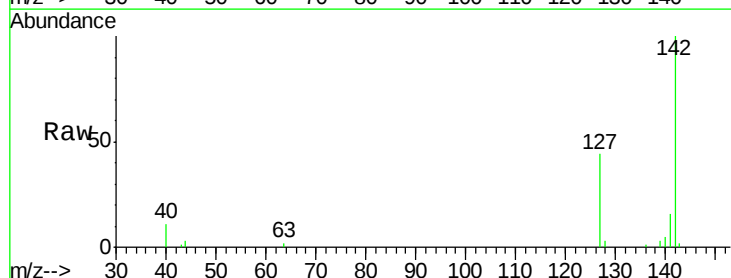
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

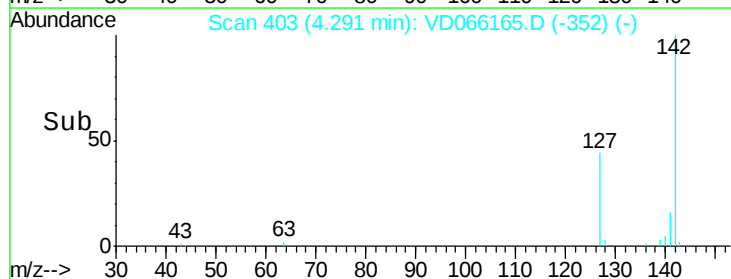
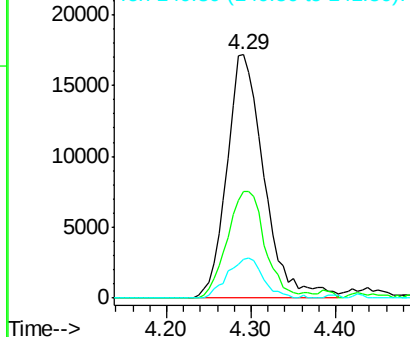
Lab File: VD066165.D

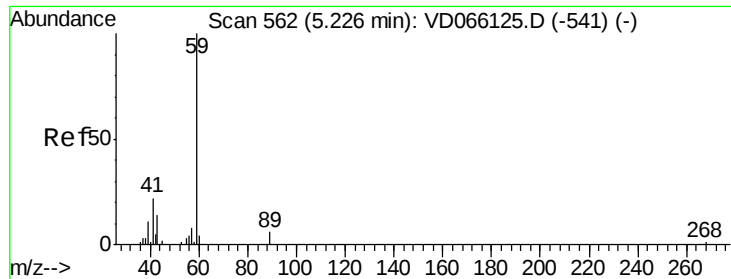
Acq: 10 Aug 2020 15:33

Tgt Ion:	142	Resp:	52239
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.2	54.4
141	15.7	12.6	18.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

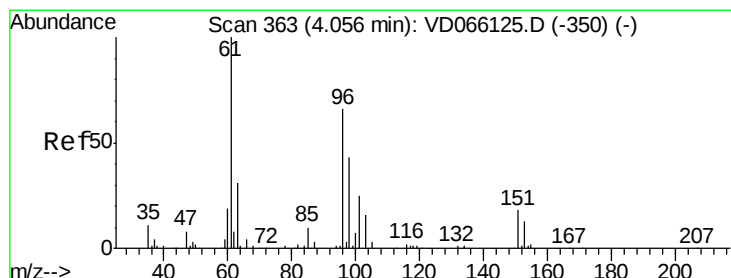
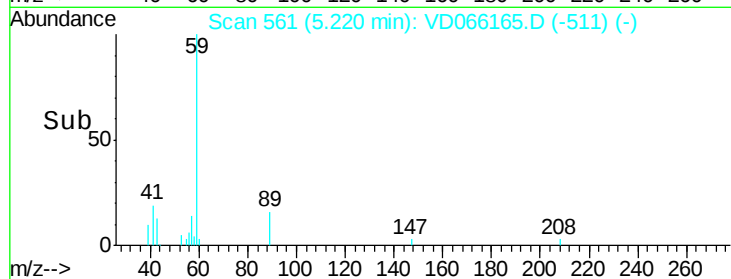
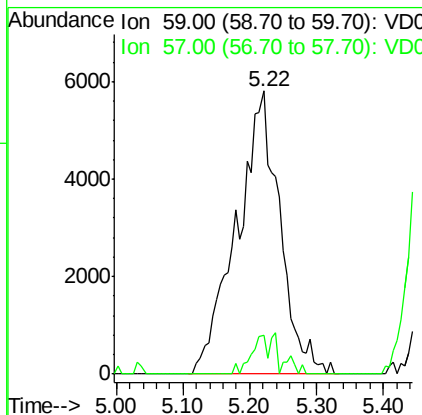
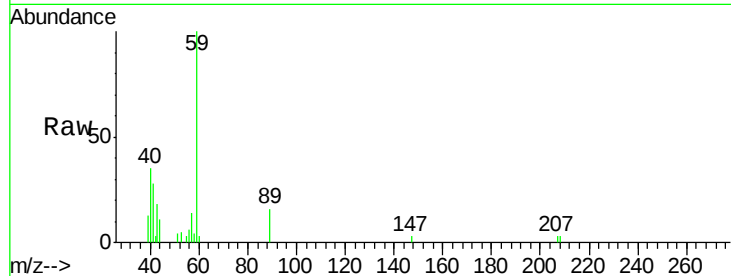
Tert butyl alcohol
 Concen: 100.552 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	7.0	10.4#

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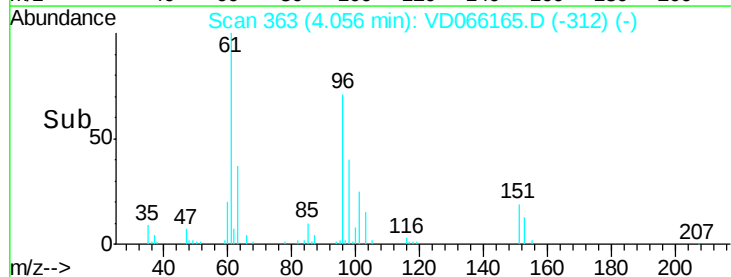
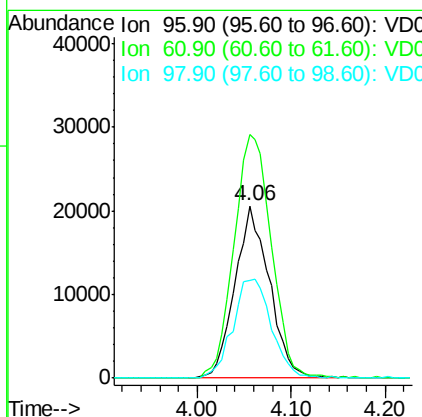
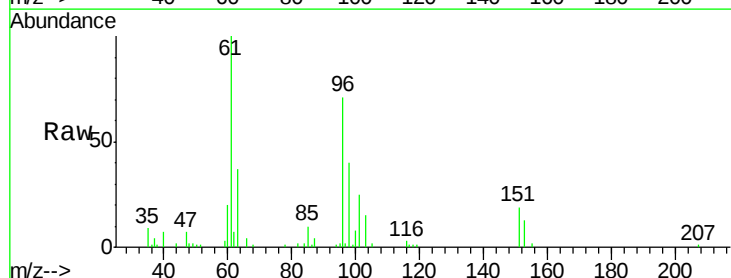
MMDadoda
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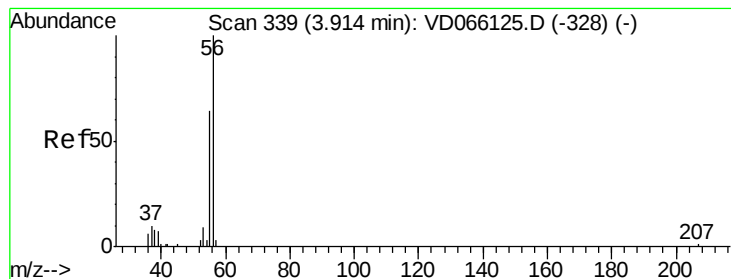


#12

1,1-Dichloroethene
 Concen: 18.785 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.6	121.6	182.4
98	56.9	52.0	78.0





#13

Acrolein

Concen: 84.032 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 56 Resp: 18801

Ion Ratio Lower Upper

56 100

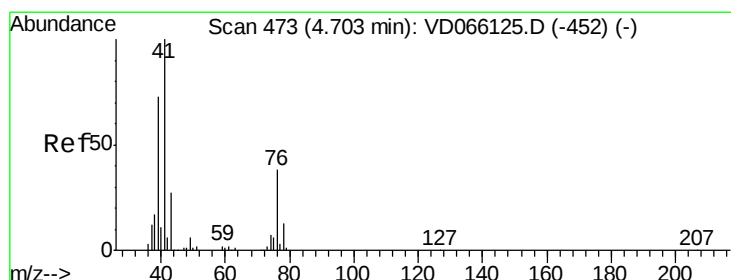
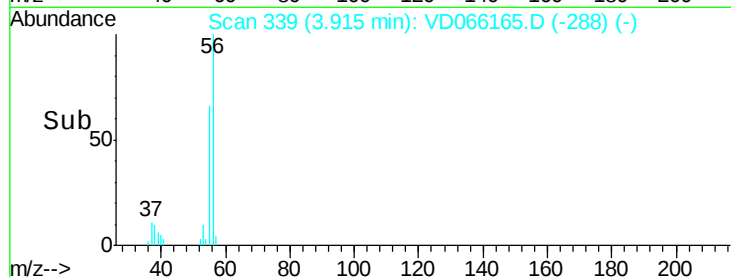
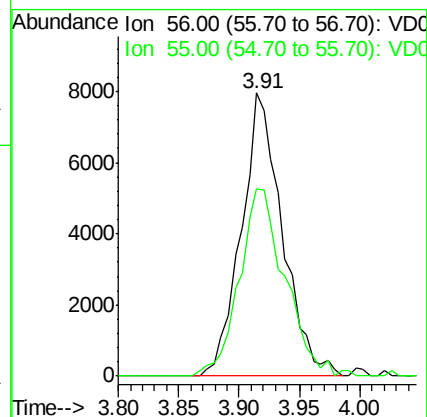
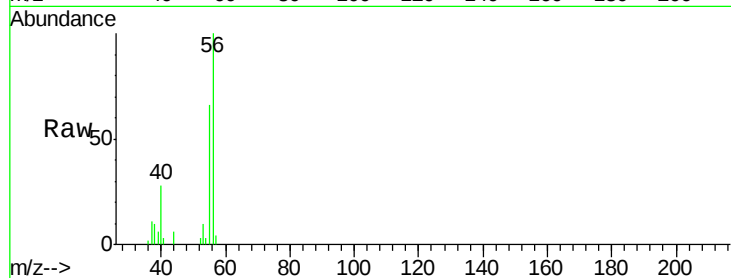
55 73.5 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.318 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

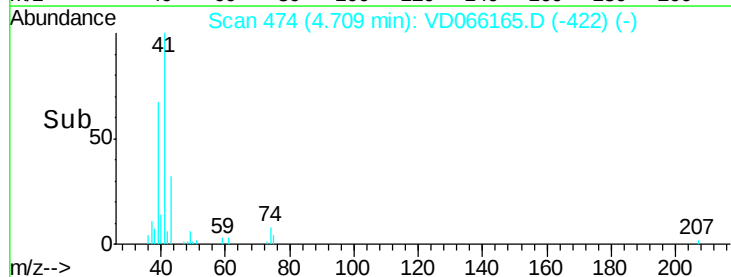
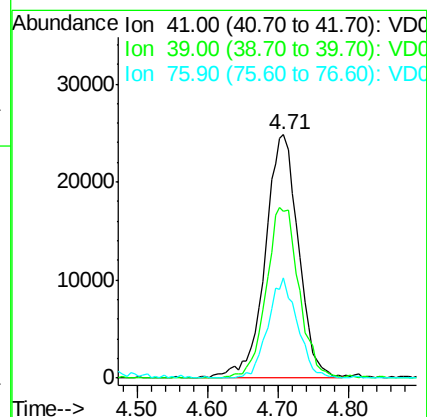
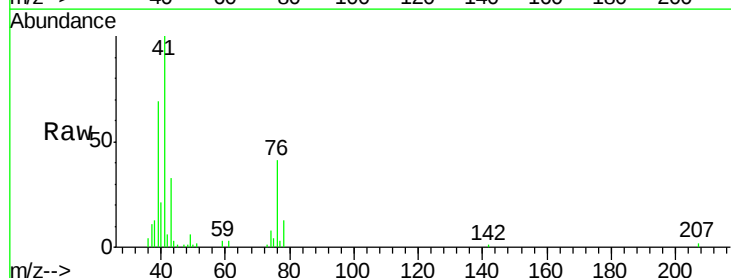
Tgt Ion: 41 Resp: 81659

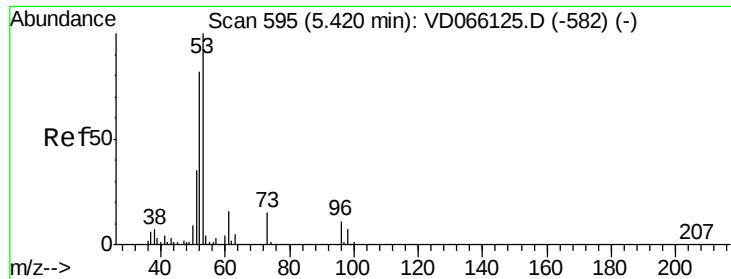
Ion Ratio Lower Upper

41 100

39 68.9 57.4 86.0

76 36.4 30.1 45.1





#15

Acrylonitrile

Concen: 95.638 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

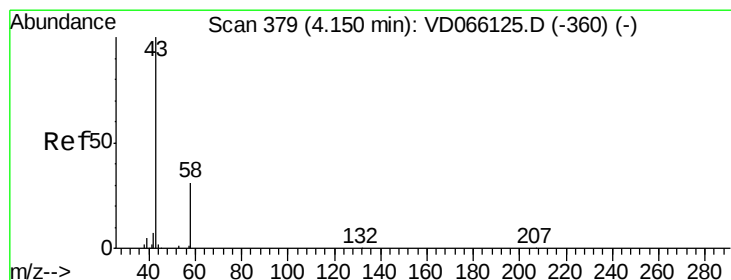
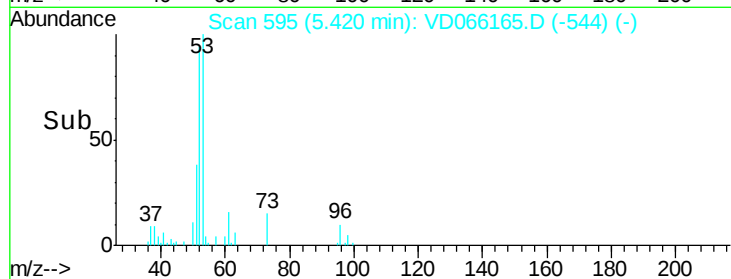
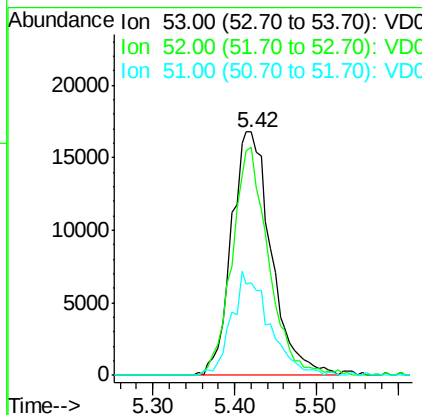
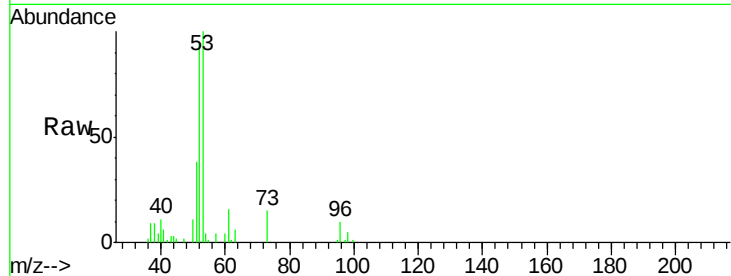
ClientSampleId :

VD0810SBS01

Tot Ion:	53	Resp:	56674
Ion	Ratio	Lower	Upper
53	100		
52	85.7	66.1	99.1
51	40.3	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 101.869 ug/l

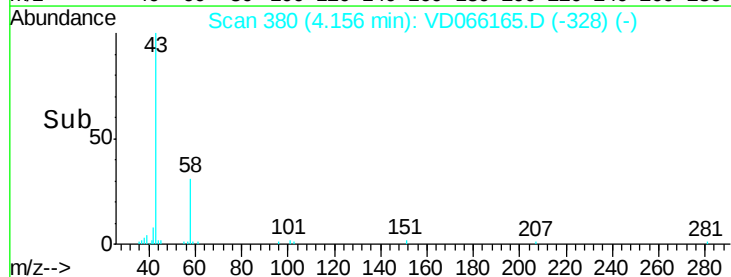
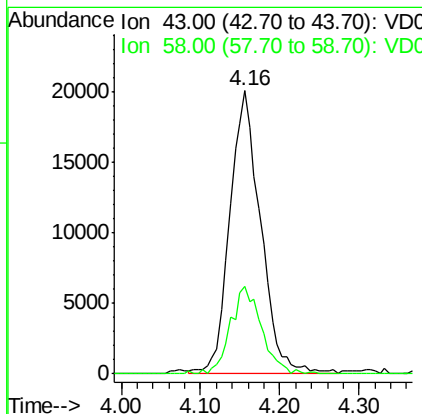
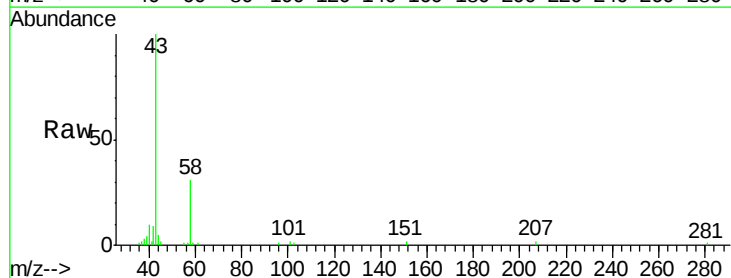
RT: 4.16 min Scan# 380

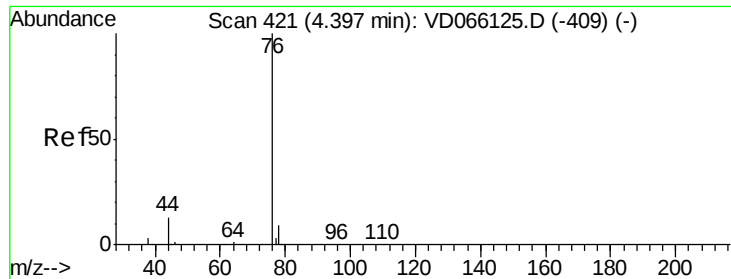
Delta R.T. 0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Tgt Ion:	43	Resp:	54330
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.7	37.1





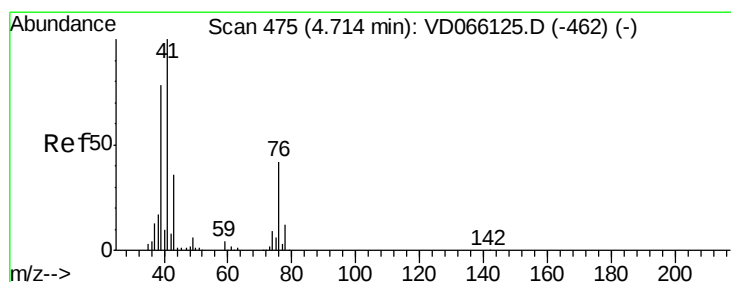
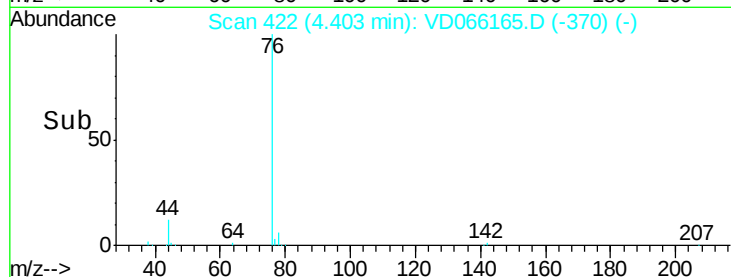
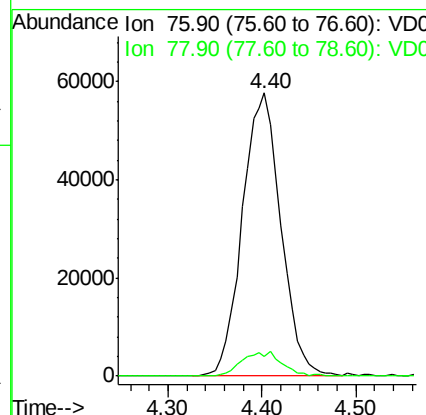
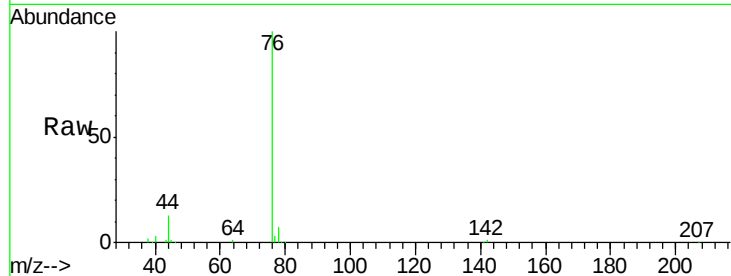
#17
Carbon Disulfide
Concen: 18.420 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.2	7.5	11.3#

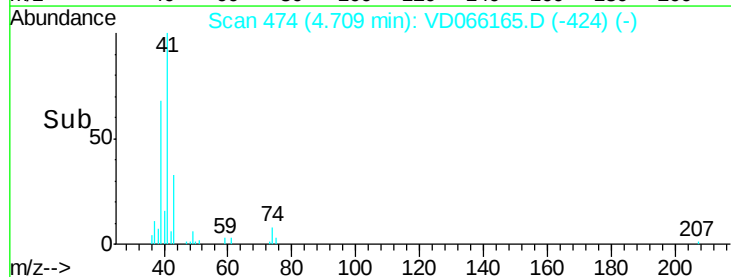
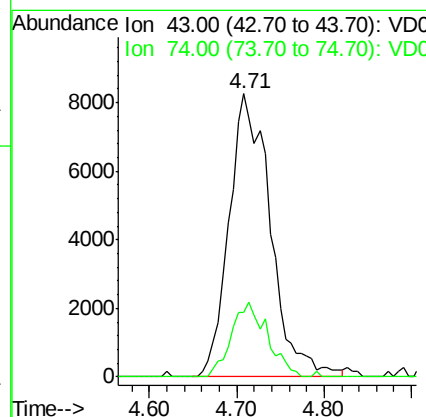
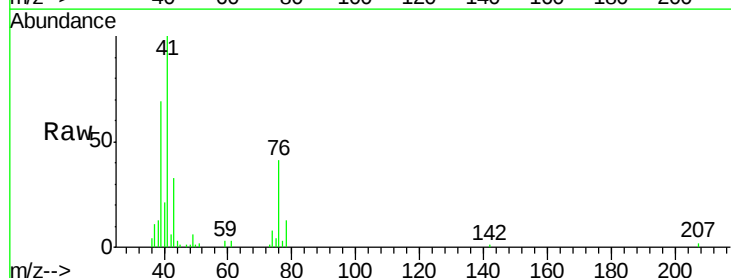
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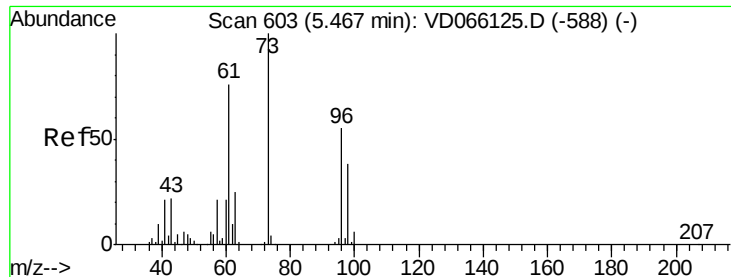
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#18
Methyl Acetate
Concen: 19.692 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	21.2	31.8





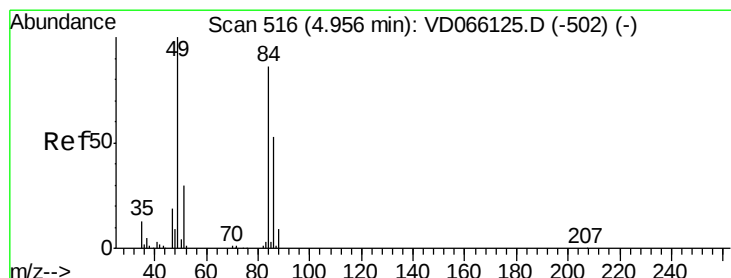
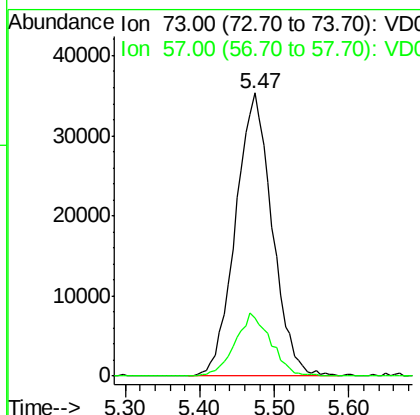
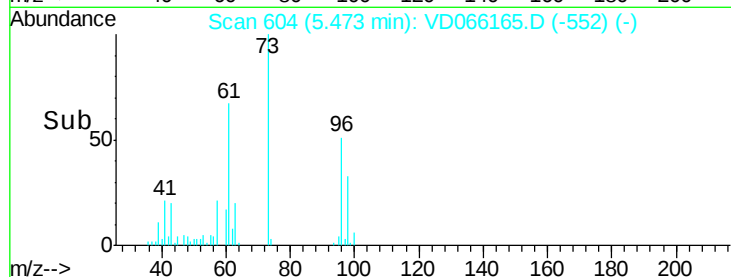
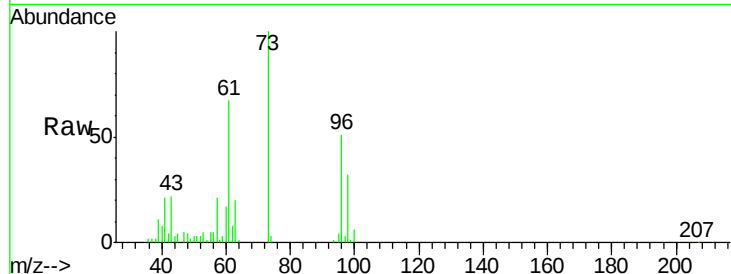
#19
Methyl tert-butyl Ether
Concen: 18.823 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion: 73 Resp: 120380
Ion Ratio Lower Upper
73 100
57 20.6 17.1 25.7

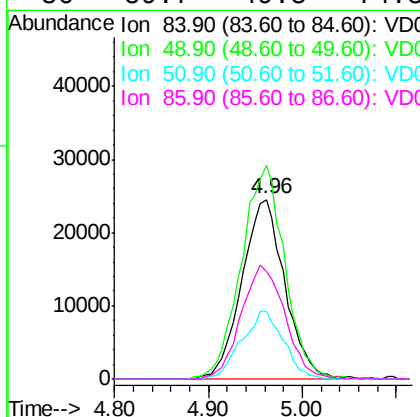
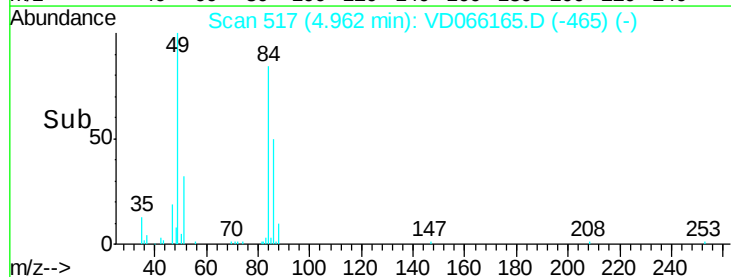
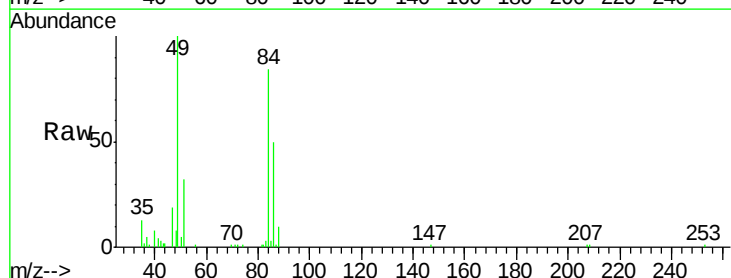
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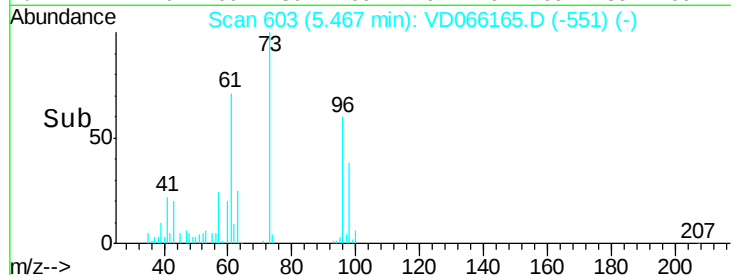
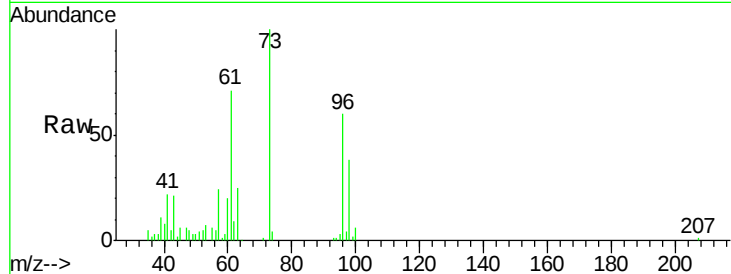
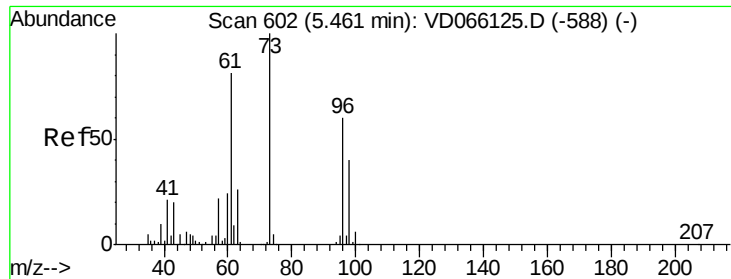
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#20
Methylene Chloride
Concen: 22.756 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion: 84 Resp: 77483
Ion Ratio Lower Upper
84 100
49 119.1 93.5 140.3
51 37.8 28.2 42.4
86 59.7 49.5 74.3





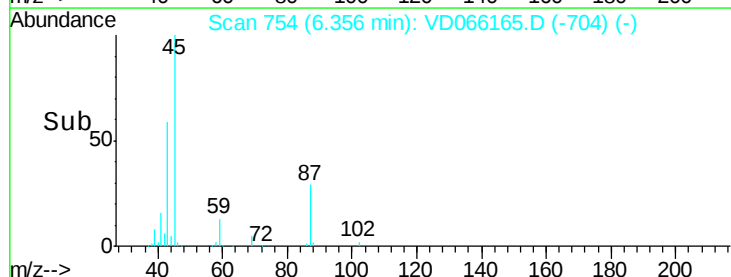
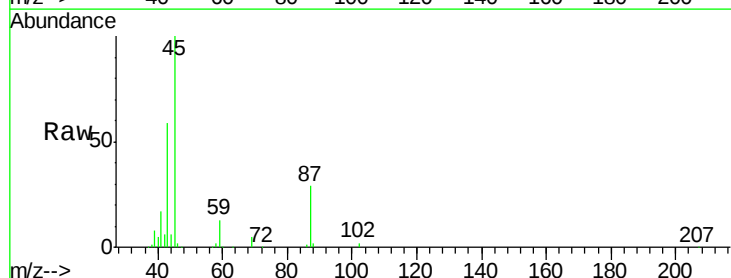
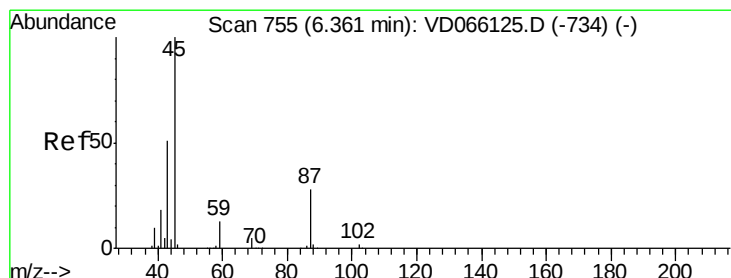
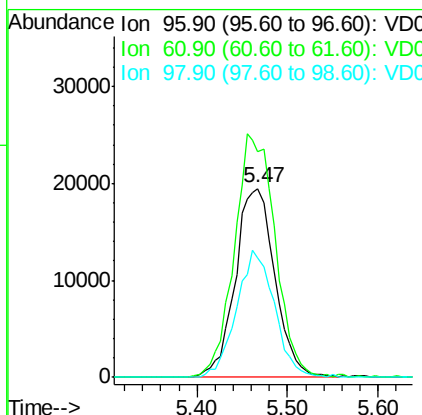
#21
trans-1,2-Dichloroethene
Concen: 18.458 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	119.6	106.9	160.3	
98	63.2	53.4	80.0	

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

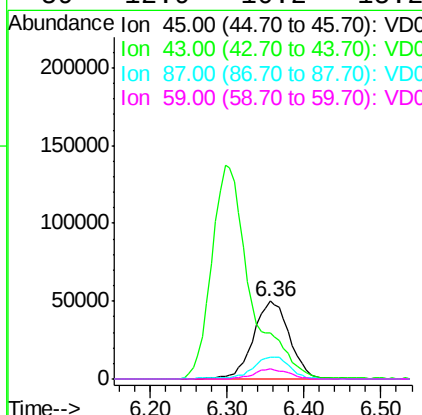
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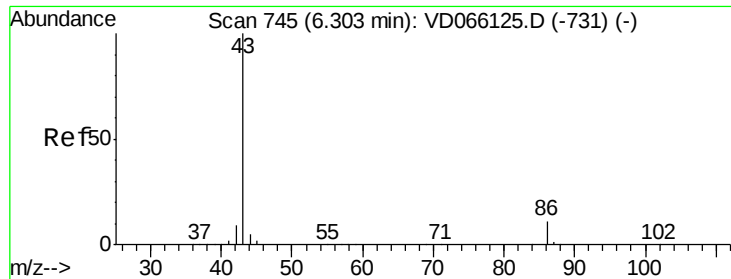
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#22
Diisopropyl ether
Concen: 19.683 ug/l
RT: 6.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
43	57.3	41.2	61.8	
87	28.6	22.8	34.2	
59	12.9	10.2	15.2	





#23

Vinyl Acetate

Concen: 97.536 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 43 Resp: 477649

Ion Ratio Lower Upper

43 100

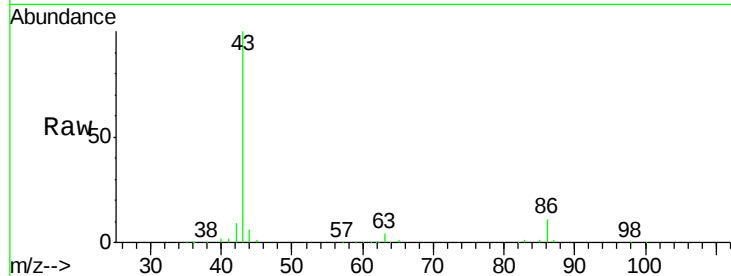
86 10.9 9.1 13.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

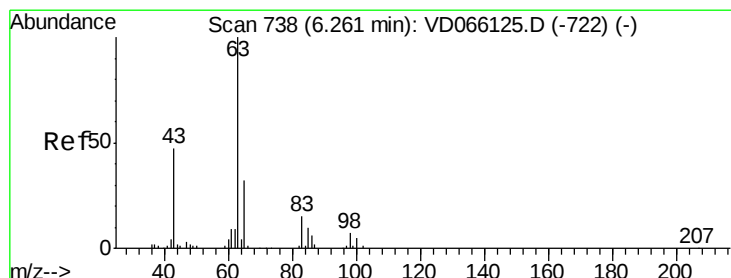
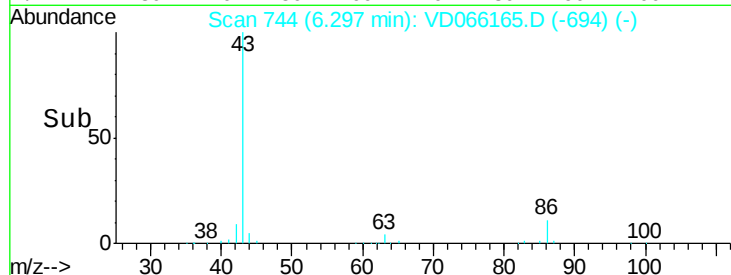
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.127 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

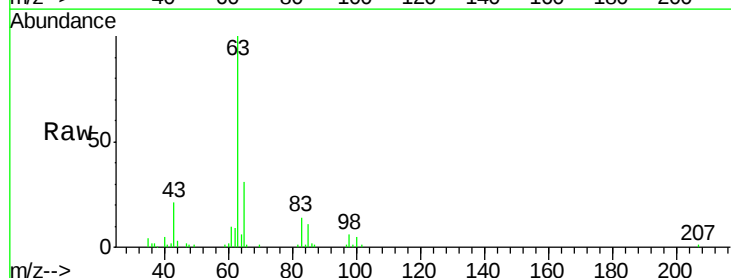
Tgt Ion: 63 Resp: 98950

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 5.2 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

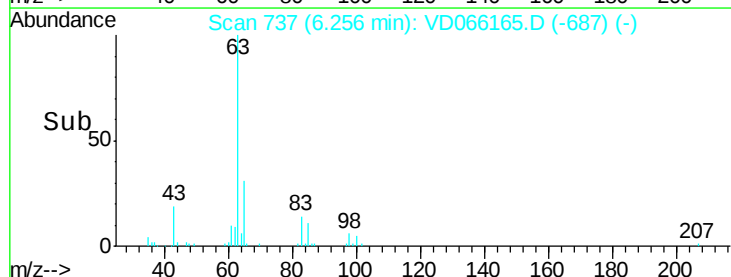
30000

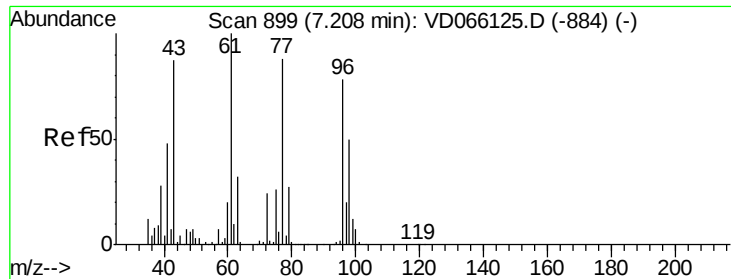
20000

10000

0

Time-->





#25

2-Butanone

Concen: 96.633 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 43 Resp: 75802

Ion Ratio Lower Upper

43 100

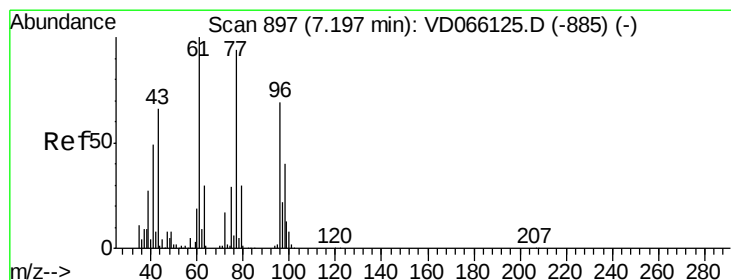
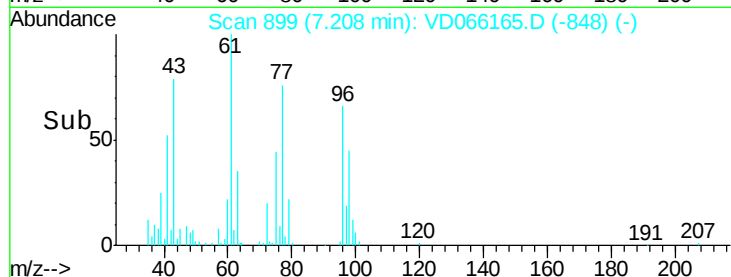
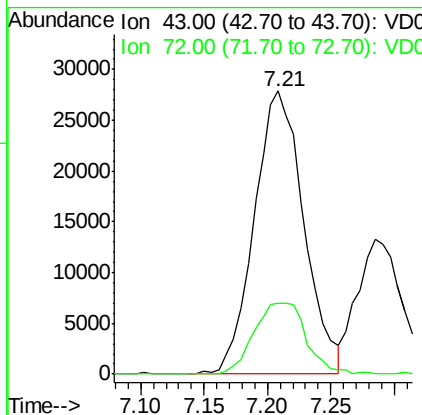
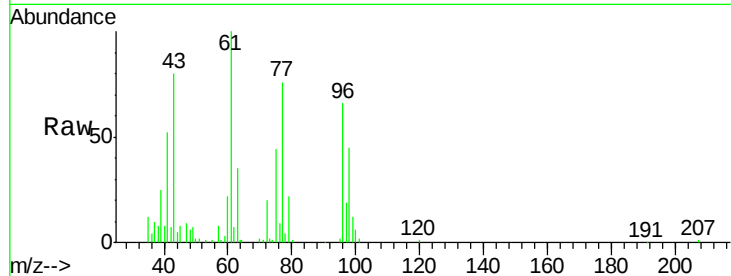
72 25.0 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.105 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066165.D

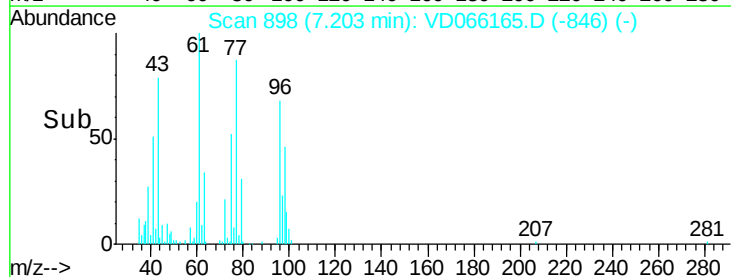
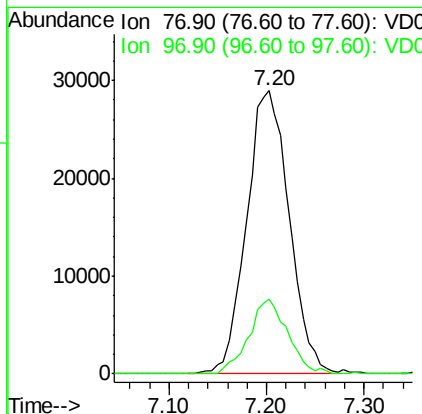
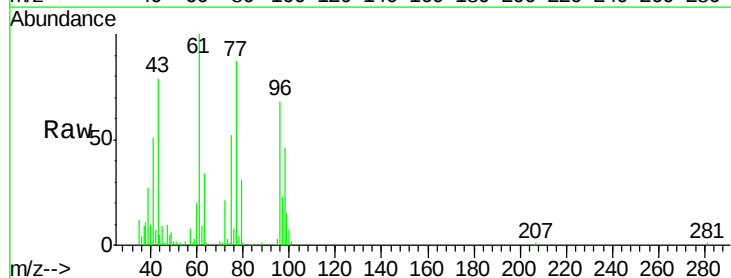
Acq: 10 Aug 2020 15:33

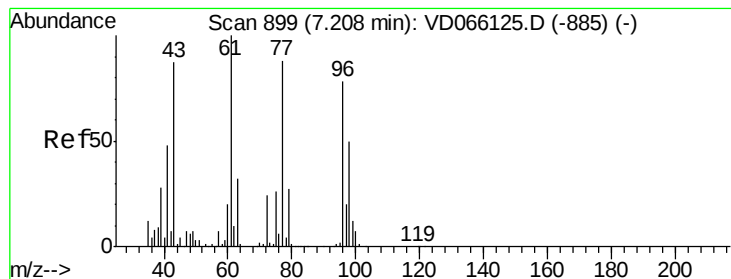
Tgt Ion: 77 Resp: 88581

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3





#27

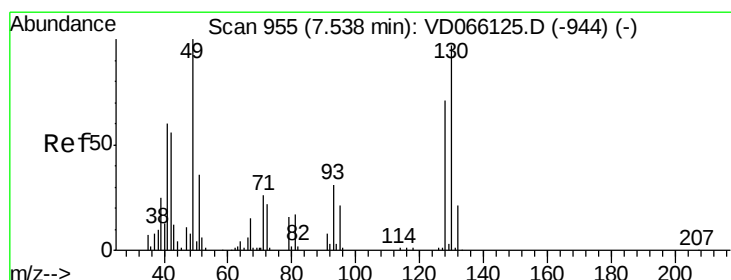
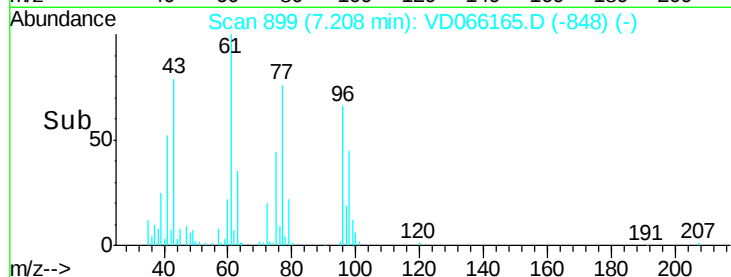
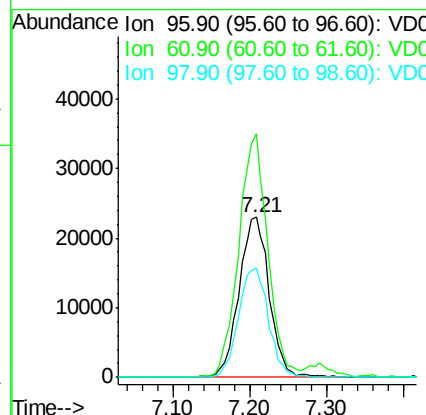
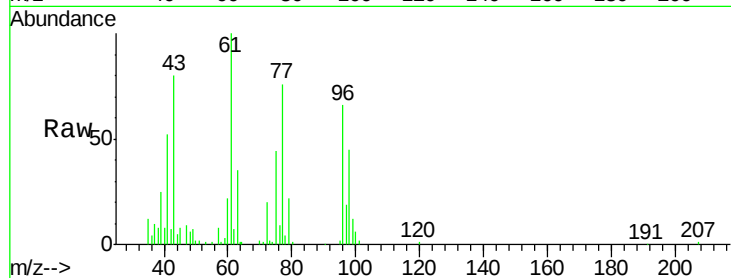
cis-1,2-Dichloroethene
Concen: 18.738 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	281.6
98	67.8	0.0	130.8

Manual Integrations
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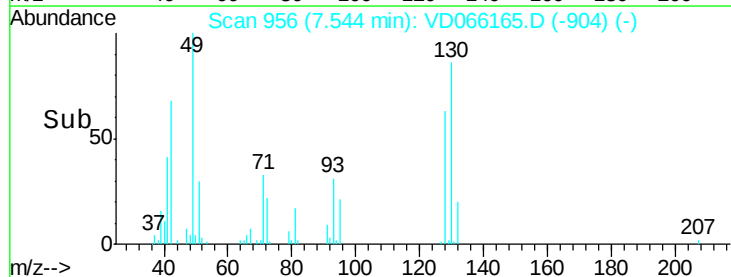
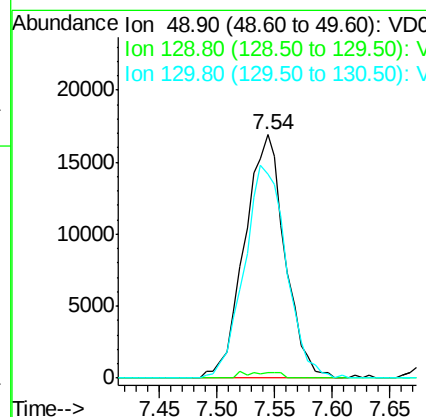
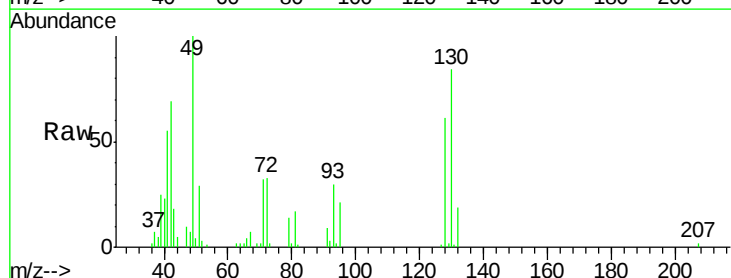
MMDadoda
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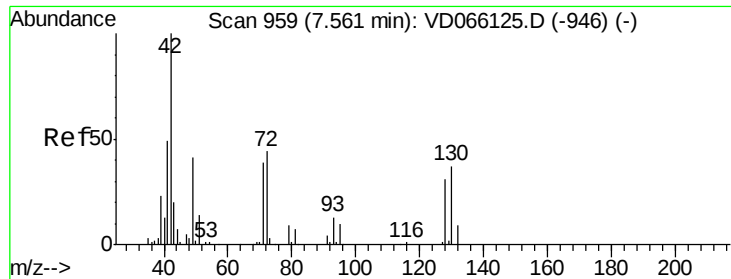


#28

Bromochloromethane
Concen: 22.627 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.0
130	91.0	73.8	110.6





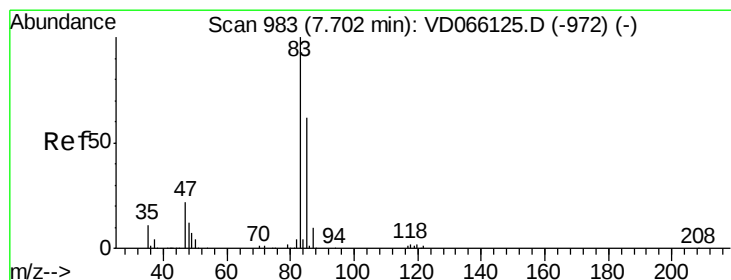
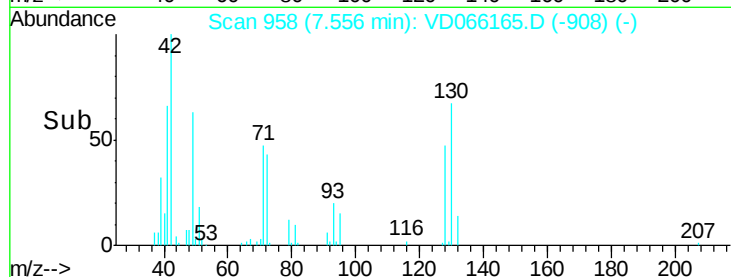
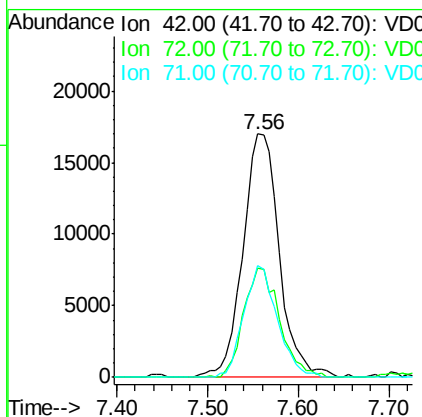
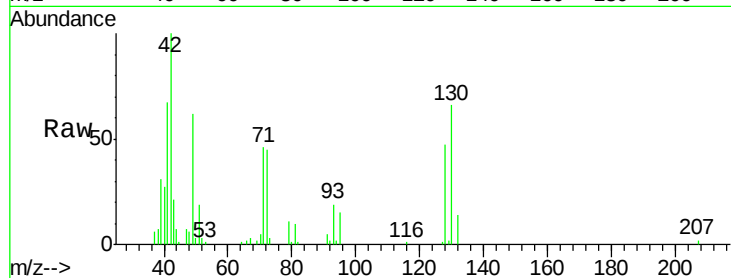
#29
Tetrahydrofuran
Concen: 97.587 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	34.8	52.2
71	42.3	33.5	50.3

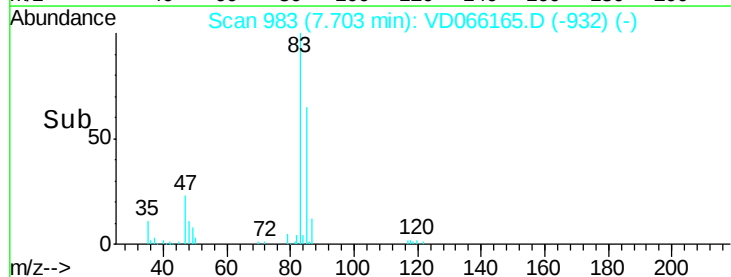
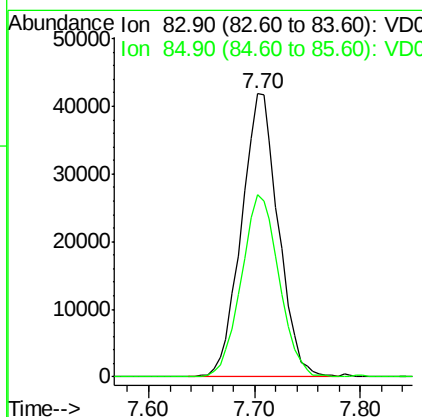
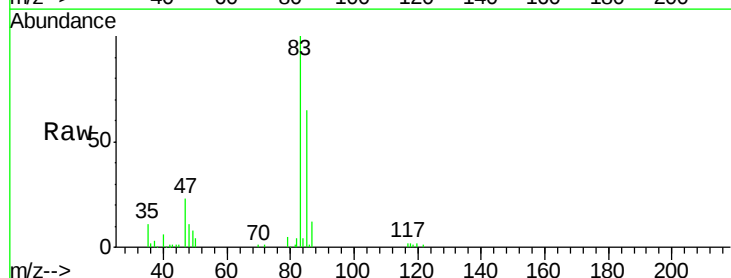
Manual Integrations
APPROVED

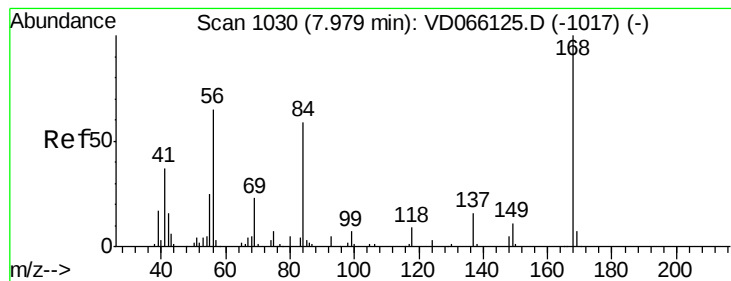
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#30
Chloroform
Concen: 18.713 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.5	74.3





#31

Cyclohexane

Concen: 18.485 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

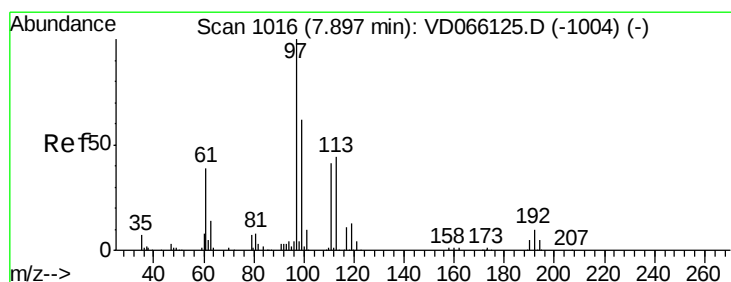
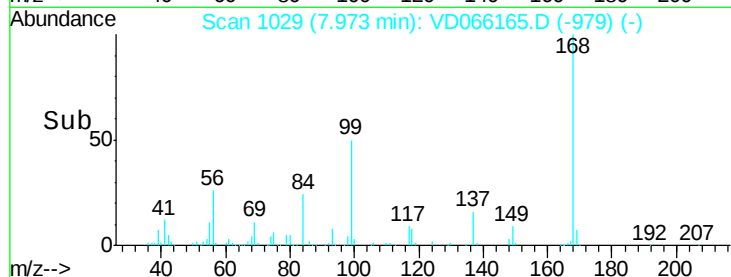
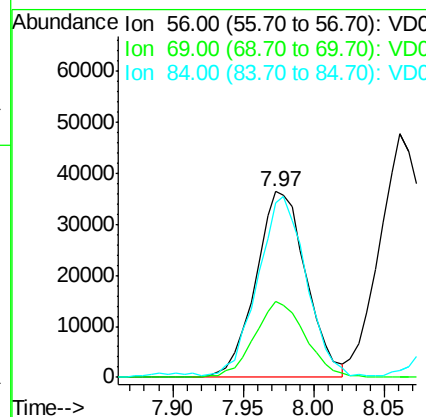
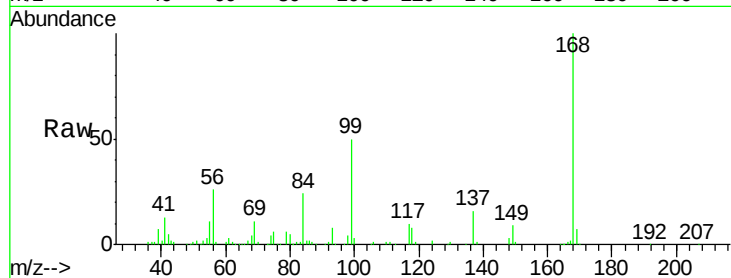
ClientSampleId :

VD0810SBS01

Tot Ion:	56	Resp:	91029
Ion	Ratio	Lower	Upper
56	100		
69	40.7	28.8	43.2
84	92.1	73.0	109.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.163 ug/l

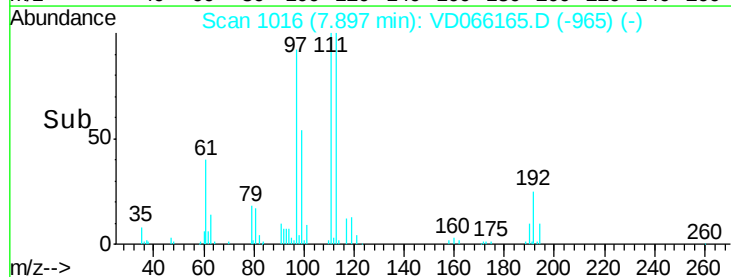
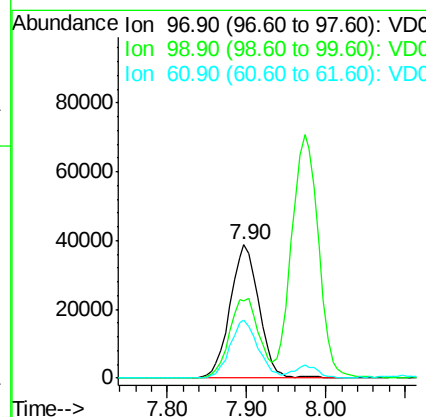
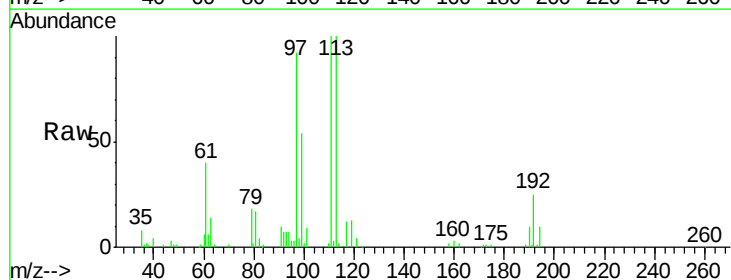
RT: 7.90 min Scan# 1016

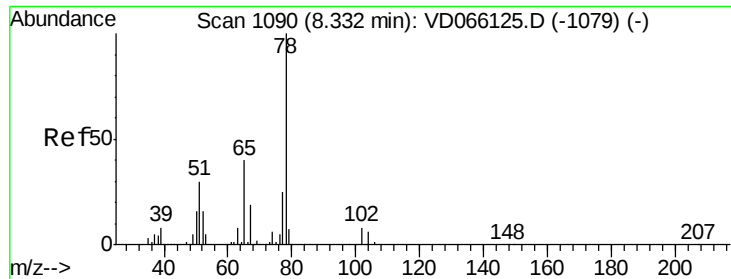
Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Tgt Ion:	97	Resp:	97598
Ion	Ratio	Lower	Upper
97	100		
99	61.1	51.1	76.7
61	42.3	32.7	49.1





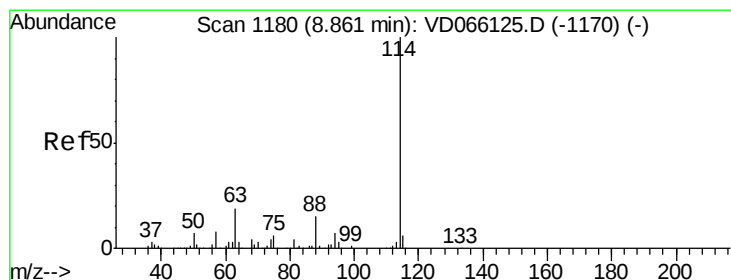
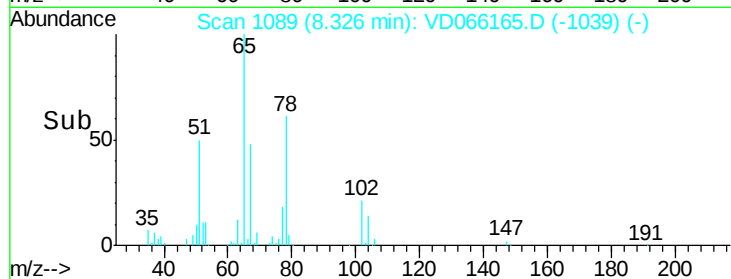
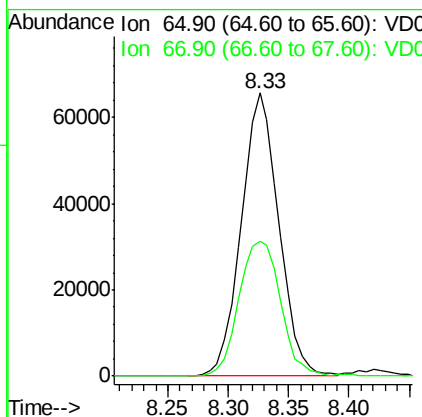
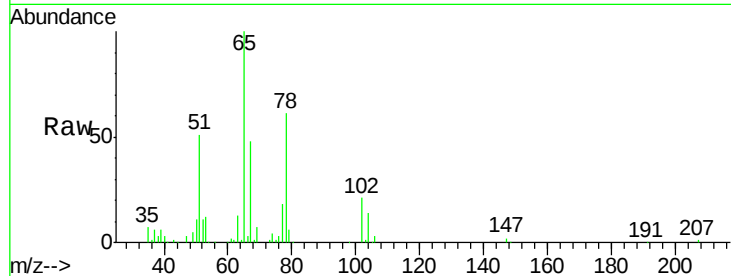
#33
 1,2-Dichloroethane-d4
 Concen: 50.699 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142507		
67	53.0	0.0	104.6	

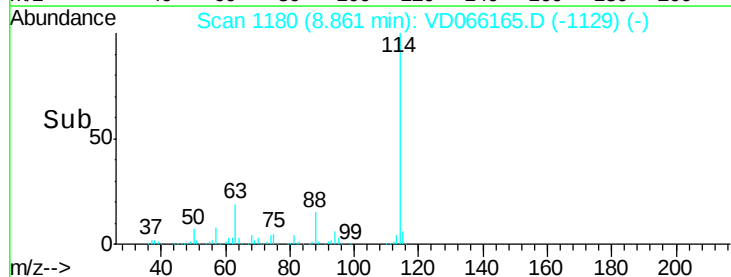
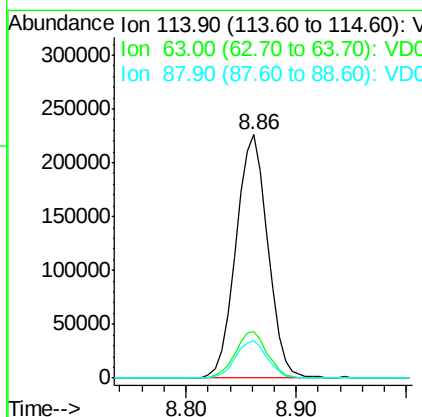
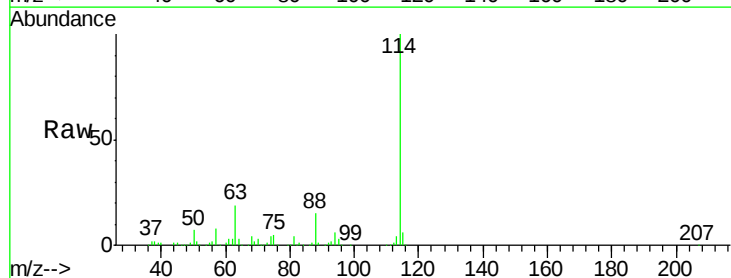
Manual Integrations
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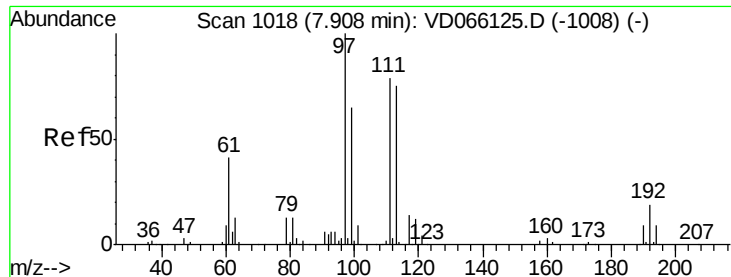
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	458924		
63	19.4	0.0	38.6	
88	15.2	0.0	30.0	





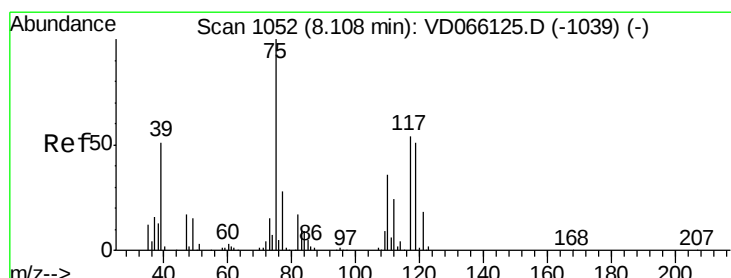
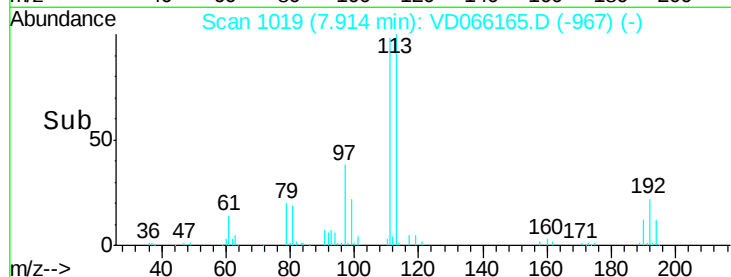
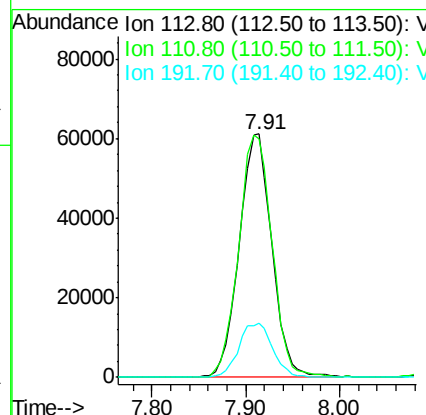
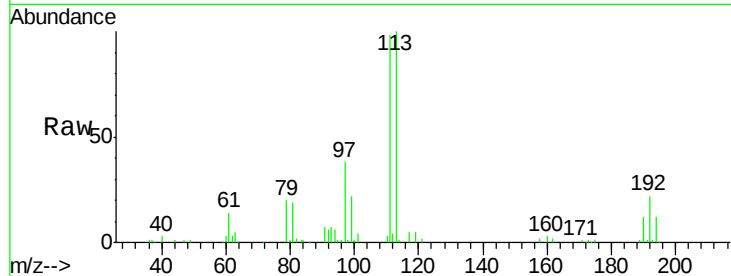
#35
 Dibromofluoromethane
 Concen: 50.706 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147413		
111	101.8	80.7	121.1	
192	22.9	18.4	27.6	

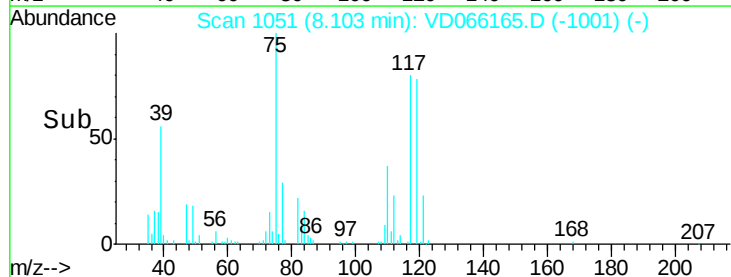
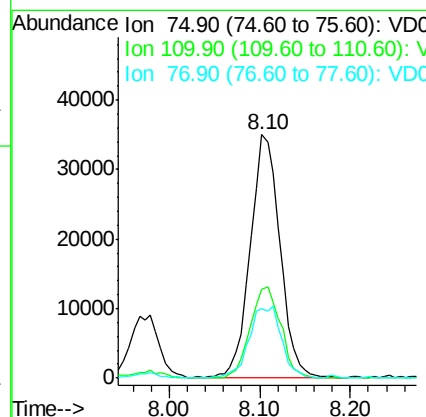
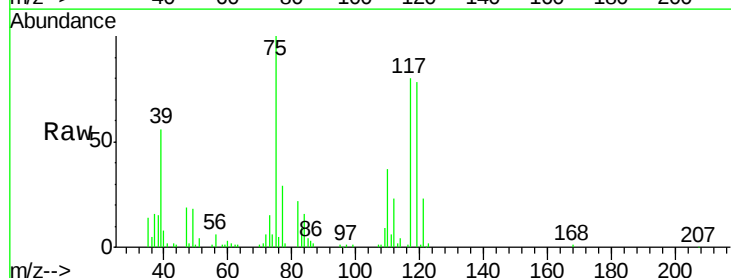
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 18.506 ug/l
 RT: 8.10 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79805		
110	38.4	18.8	56.3	
77	32.2	24.2	36.2	





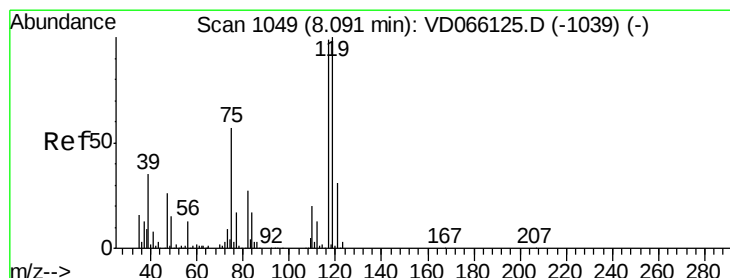
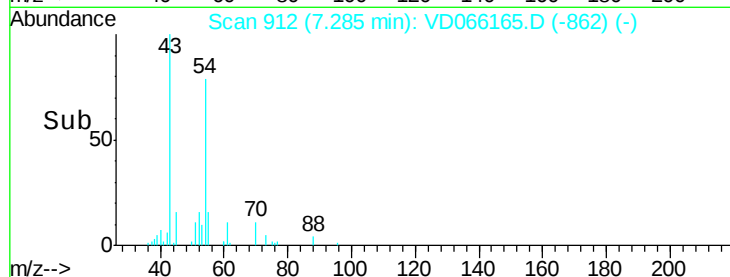
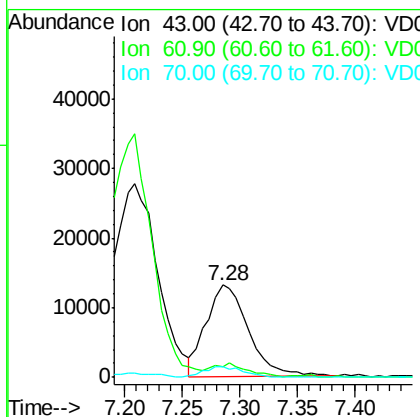
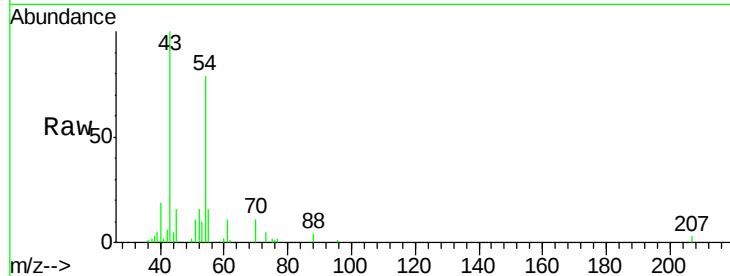
#37
Ethyl Acetate
Concen: 19.399 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	12.0	18.0
70	11.2	9.7	14.5

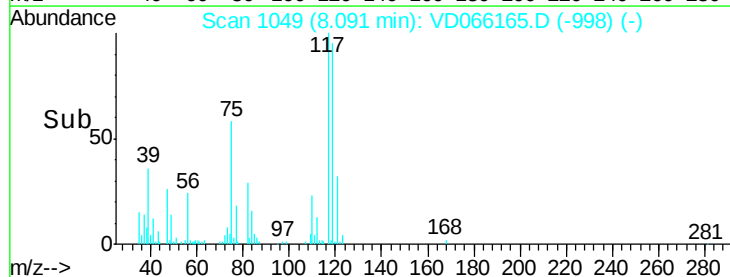
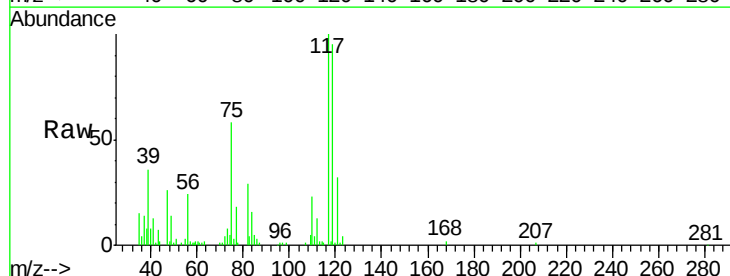
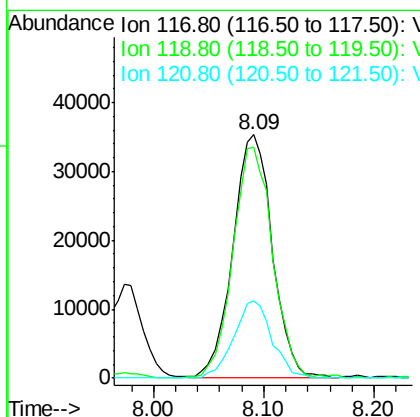
Manual Integrations
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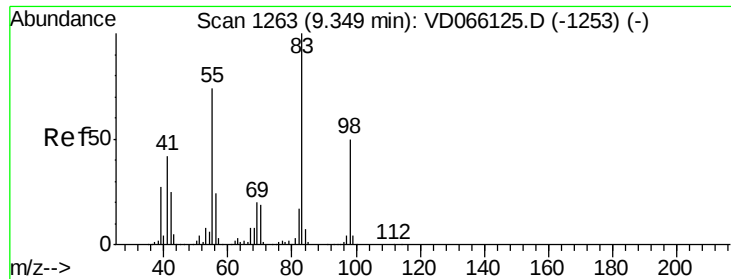
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#38
Carbon Tetrachloride
Concen: 18.431 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	81.0	121.4
121	31.5	24.8	37.2





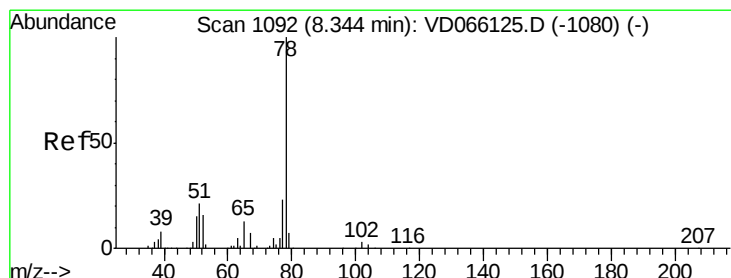
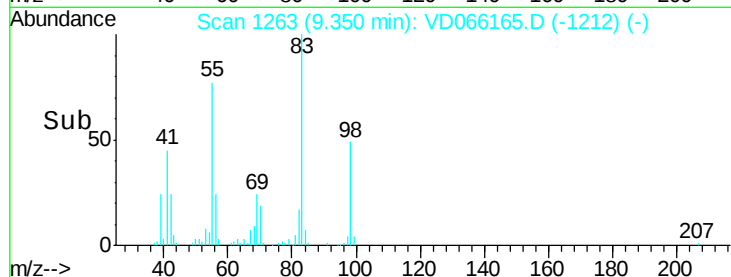
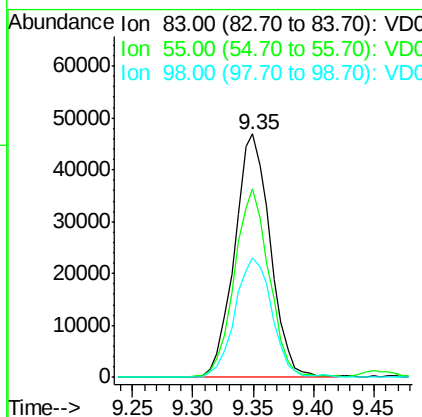
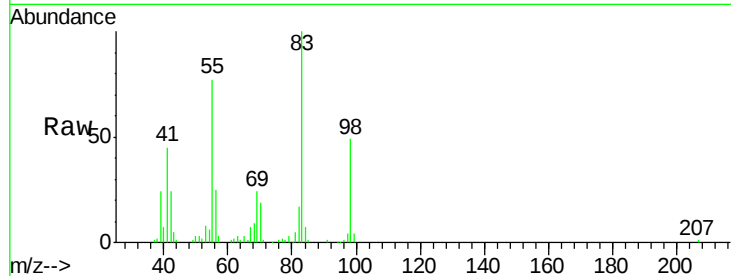
#39
Methvlcvclohexane
Concen: 18.555 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.9	59.2	88.8	
98	49.0	39.8	59.6	

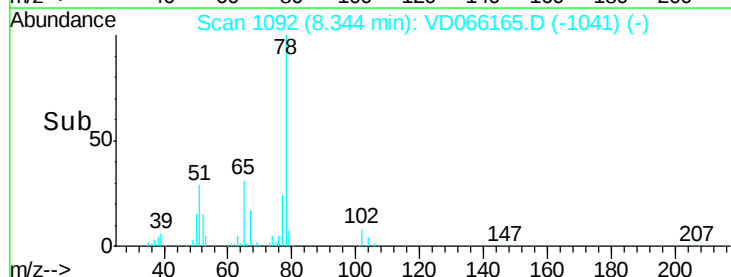
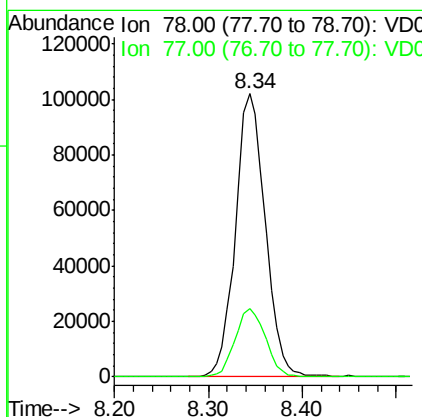
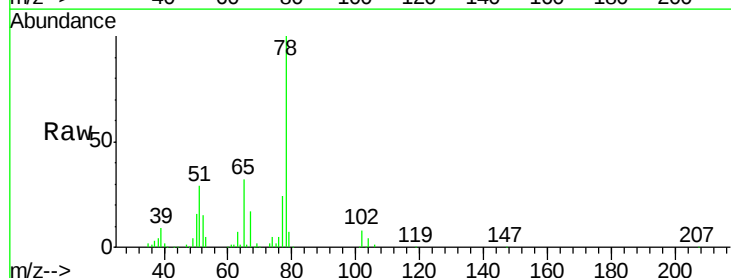
Manual Integrations
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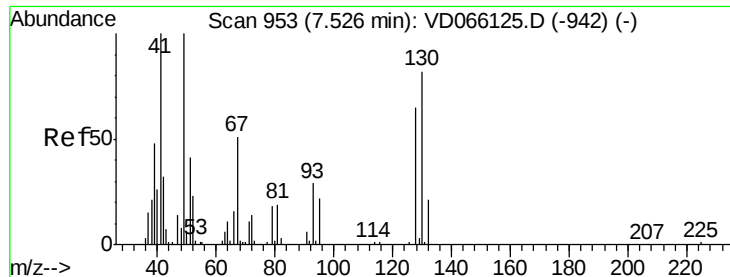
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#40
Benzene
Concen: 18.812 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.6	27.8	





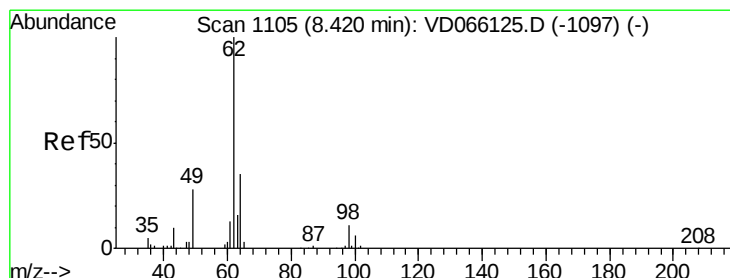
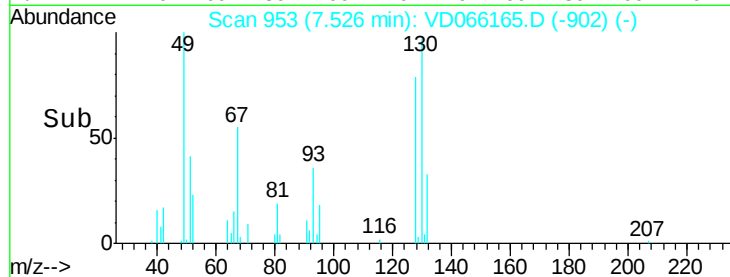
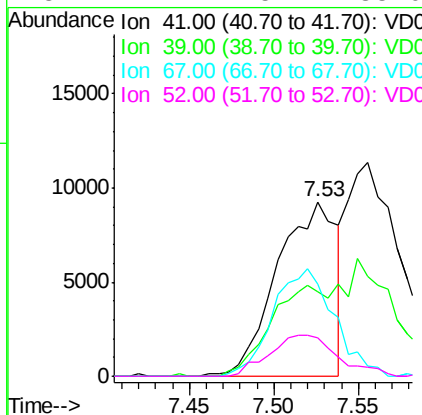
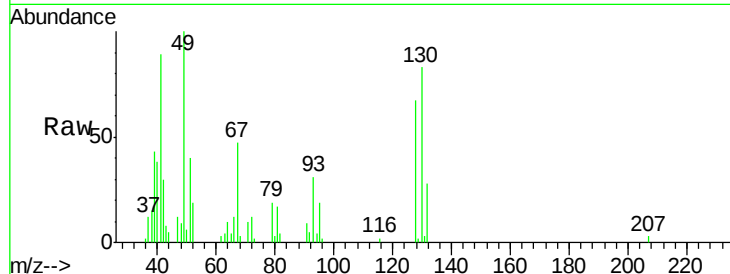
#41
Methacrylonitrile
Concen: 22.574 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBSD01

Tot Ion	41	Resp	22679
Ion	Ratio	Lower	Upper
41	100		
39	49.8	47.5	71.3
67	63.0	59.1	88.7
52	27.1	25.4	38.0

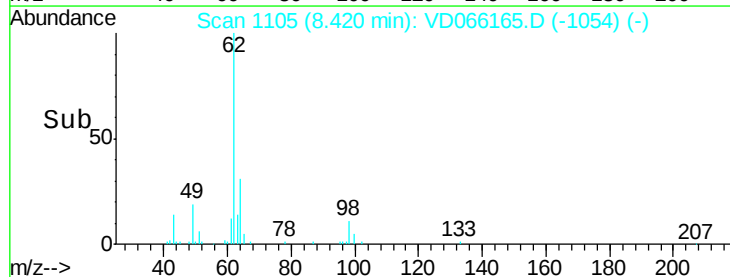
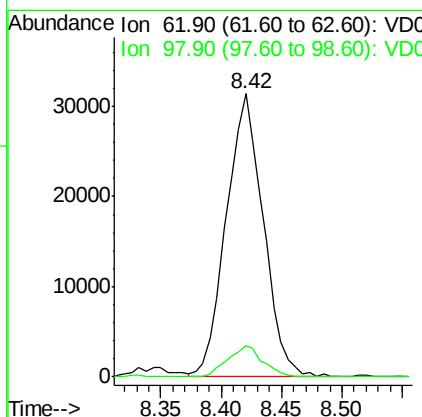
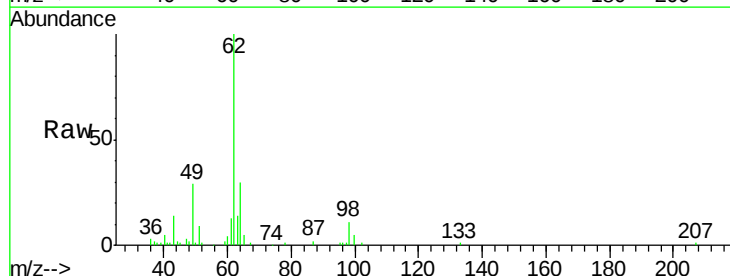
Manual Integrations
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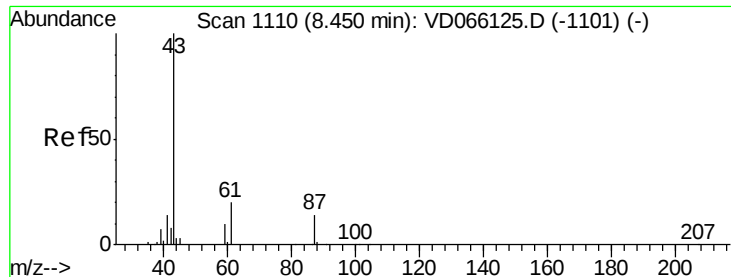
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#42
1,2-Dichloroethane
Concen: 19.016 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	62	Resp	66831
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





#43

Isopropyl Acetate

Concen: 19.450 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

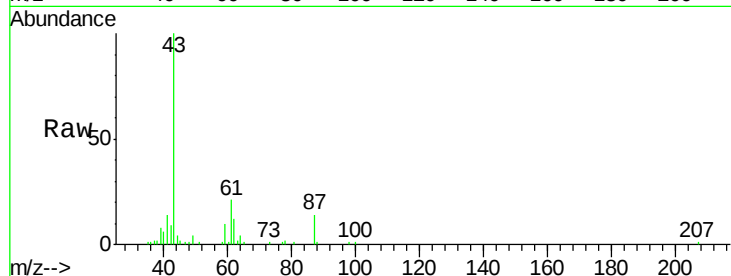
ClientSampleId :

VD0810SBS01

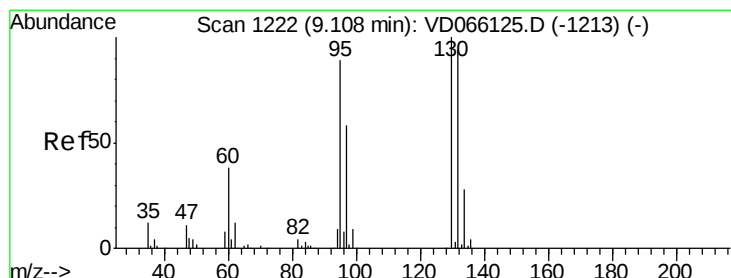
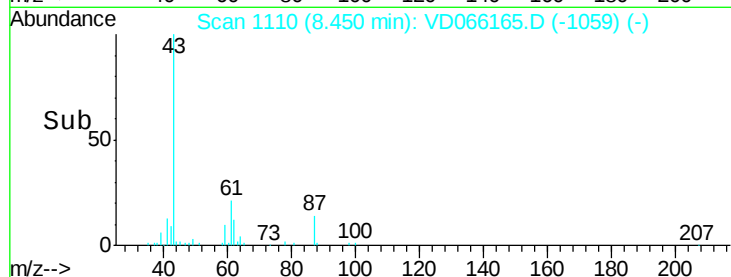
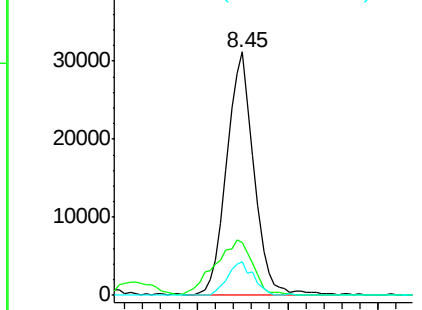
Tot Ion:	43	Resp:	65480
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.5	38.3
87	12.9	11.2	16.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.146 ug/l

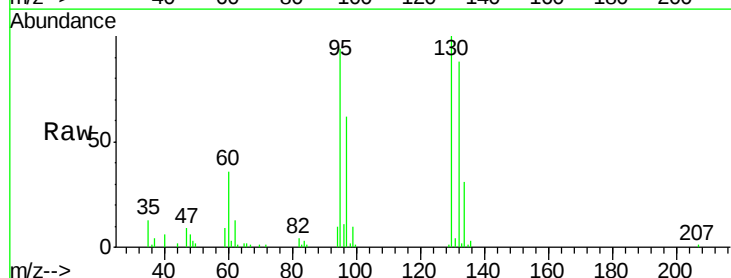
RT: 9.10 min Scan# 1221

Delta R.T. -0.01 min

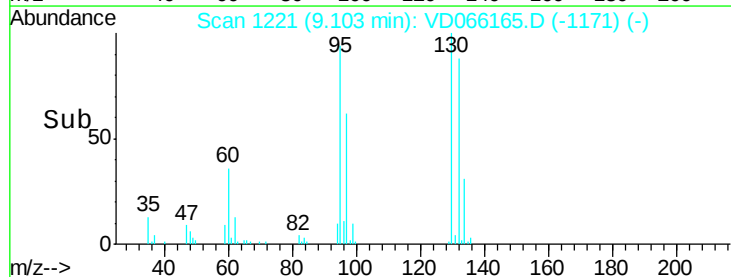
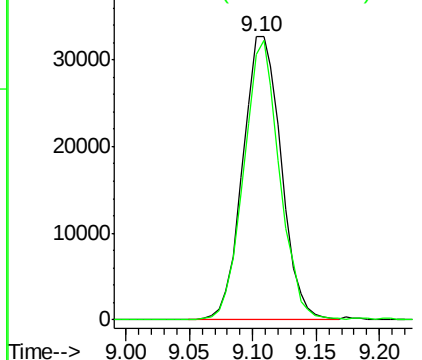
Lab File: VD066165.D

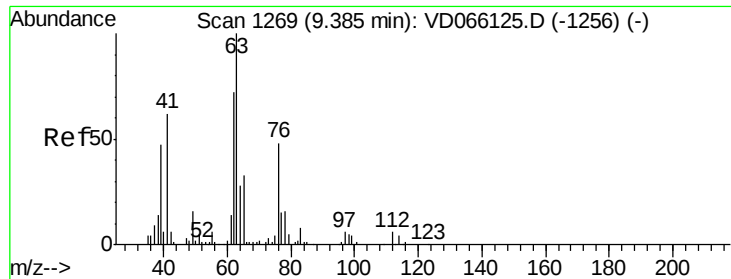
Acq: 10 Aug 2020 15:33

Tgt Ion:	130	Resp:	69021
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.065 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 63 Resp: 55783

Ion Ratio Lower Upper

63 100

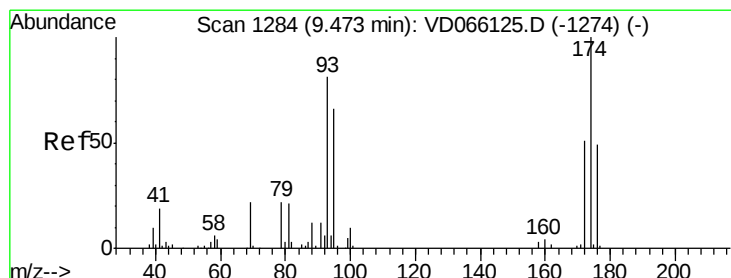
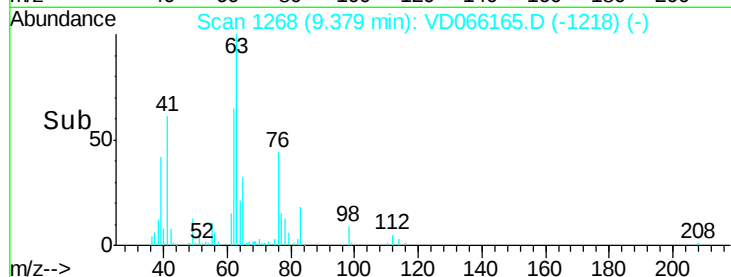
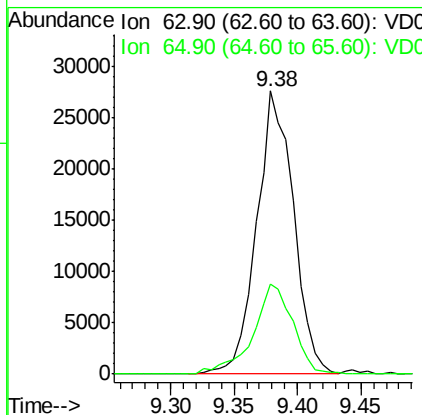
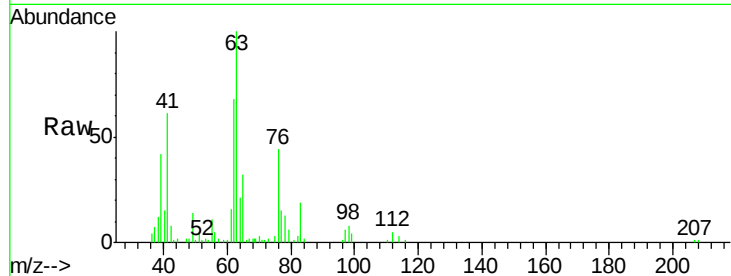
65 31.7 26.5 39.7

Manual Integrations

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#46

Dibromomethane

Concen: 18.964 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

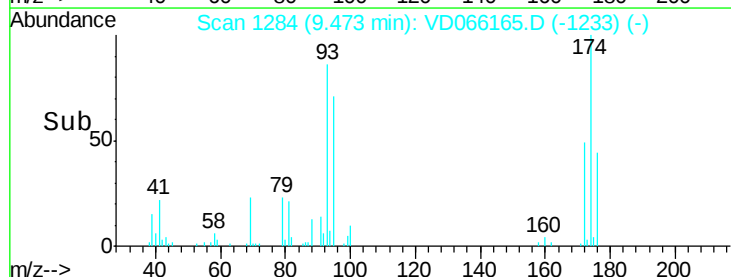
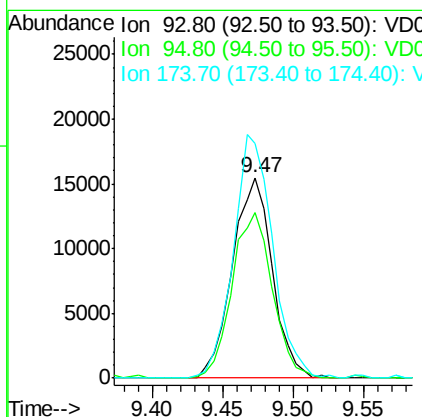
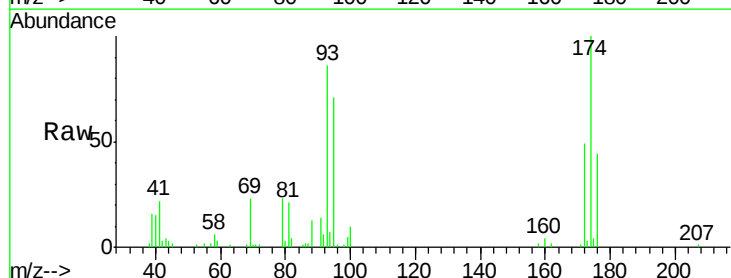
Tgt Ion: 93 Resp: 30564

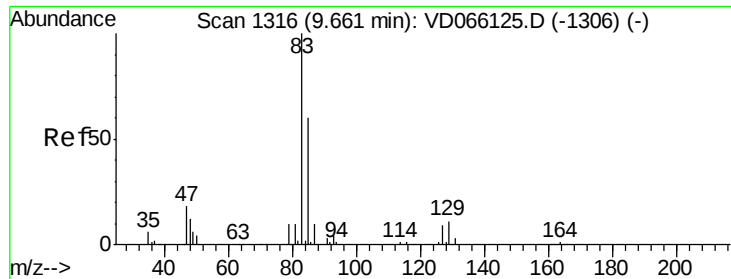
Ion Ratio Lower Upper

93 100

95 83.2 65.8 98.6

174 120.1 92.8 139.2





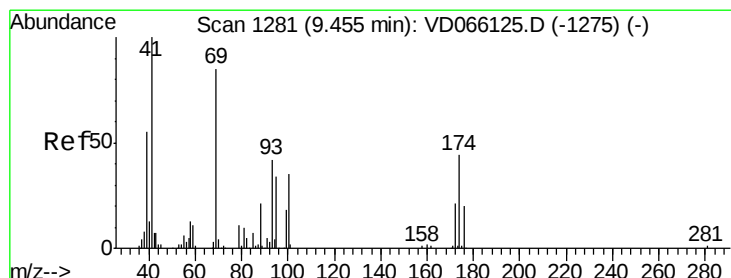
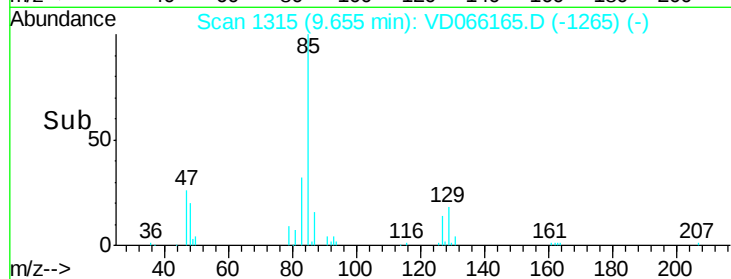
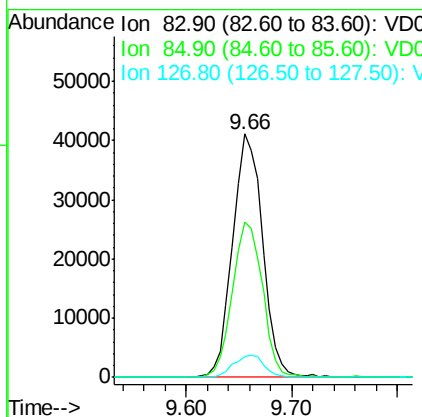
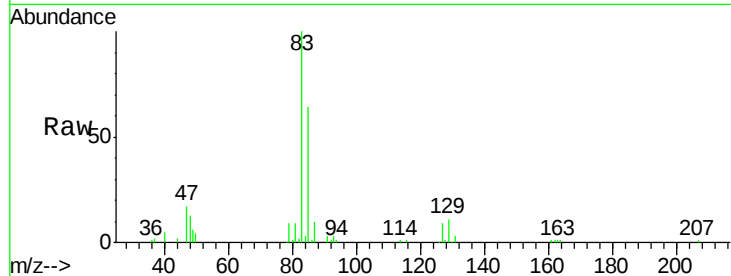
#47
Bromodichloromethane
Concen: 18.949 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	80715		
85	63.6		48.2	72.4
127	8.7		7.3	10.9

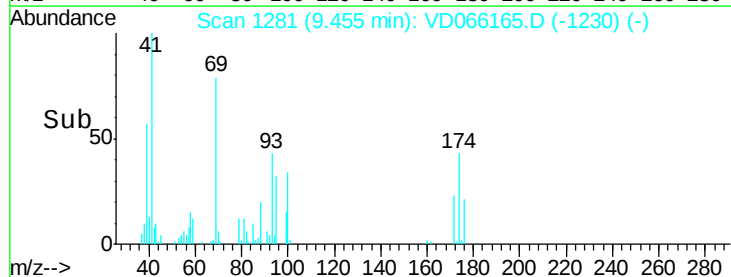
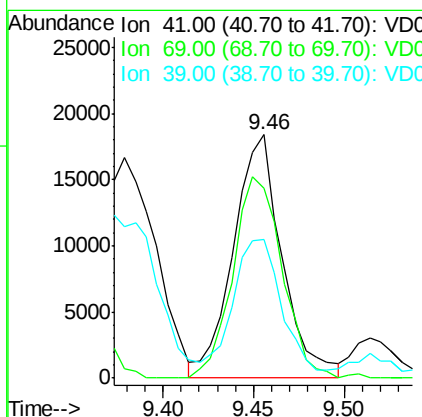
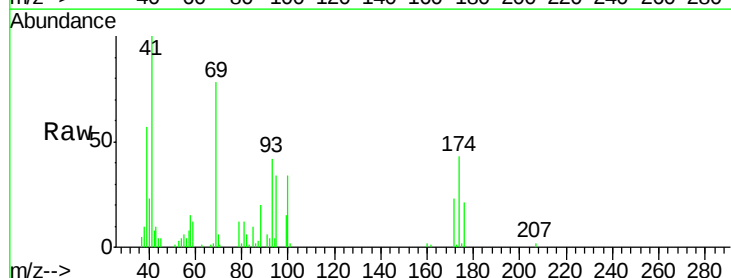
Manual Integrations
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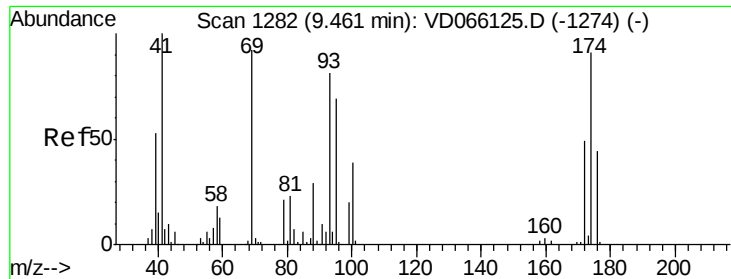
MMDadoda
8/11/2020 3:19:27 PM



#48
Methyl methacrylate
Concen: 19.986 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	34357		
69	83.9		63.9	95.9
39	51.5		42.6	64.0





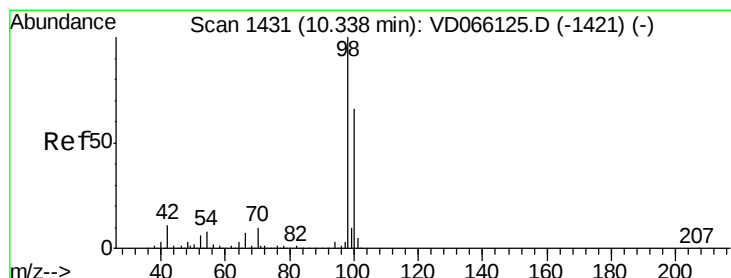
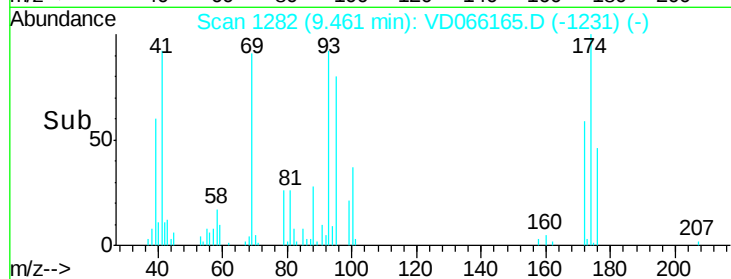
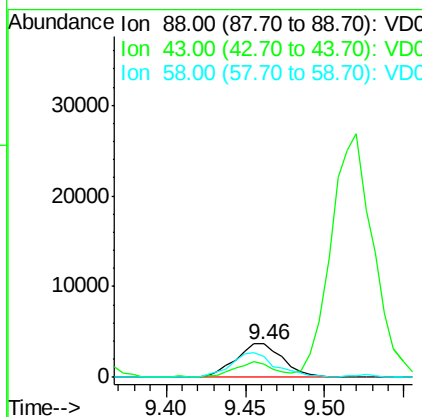
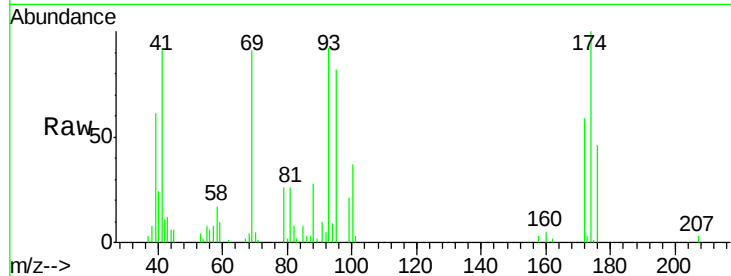
#49
1,4-Dioxane
Concen: 376.853 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.7	27.5	41.3
58	69.2	50.2	75.4

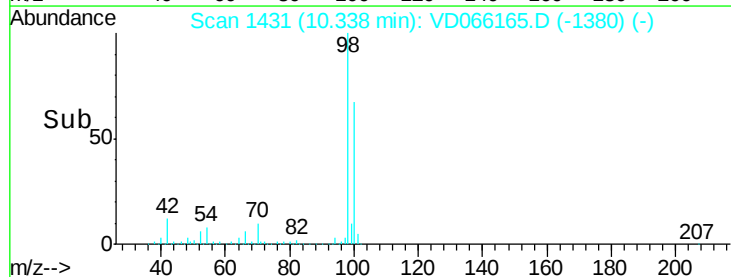
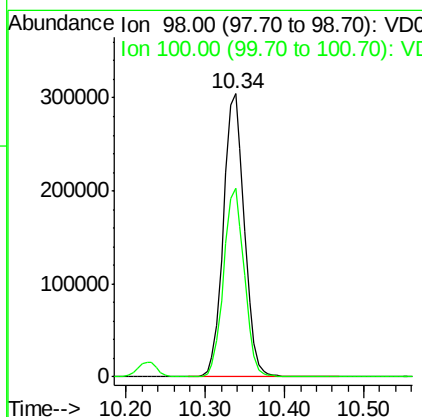
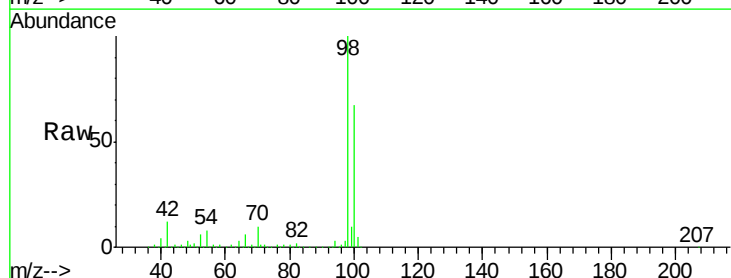
Manual Integrations
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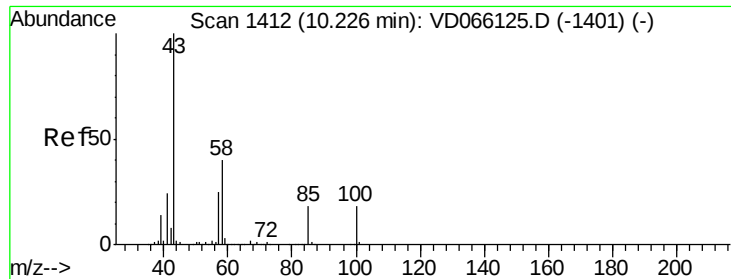
MMDadoda
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#50
Toluene-d8
Concen: 51.909 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





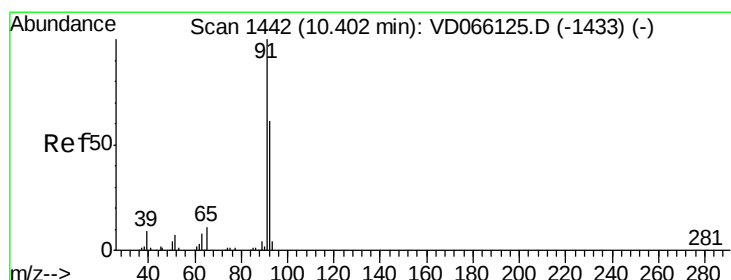
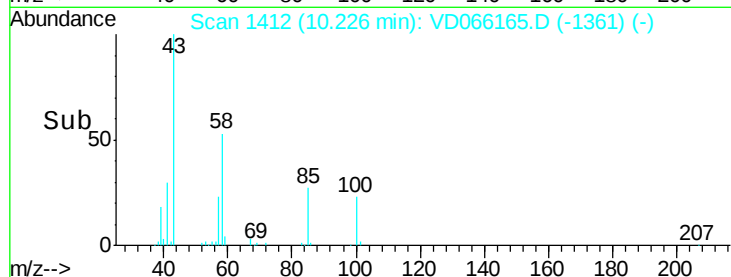
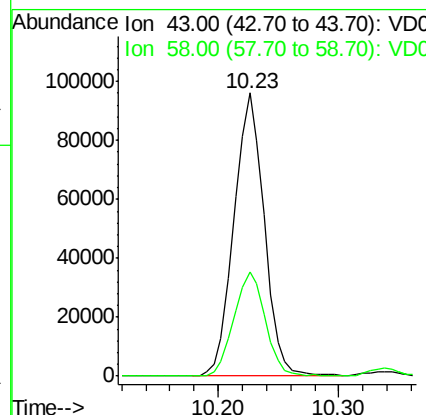
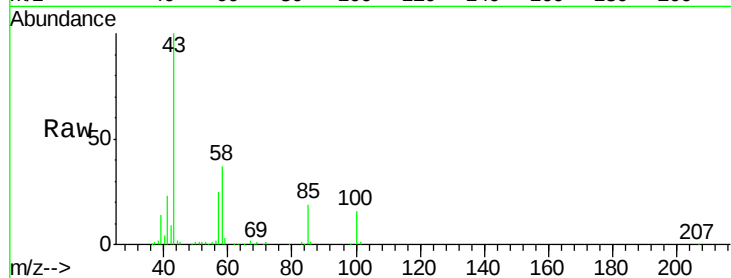
#51
4-Methyl-2-Pentanone
Concen: 97.246 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	43	Resp	168165
Ion Ratio	43	100	
Lower	58	38.2	31.1
Upper			46.7

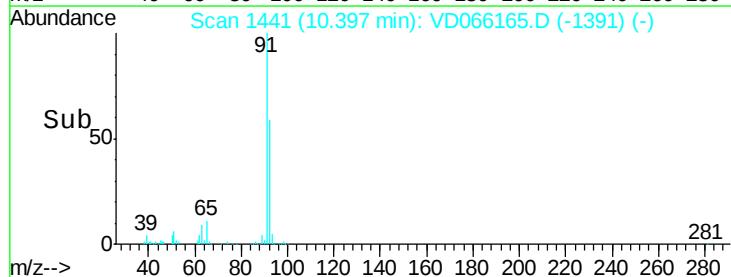
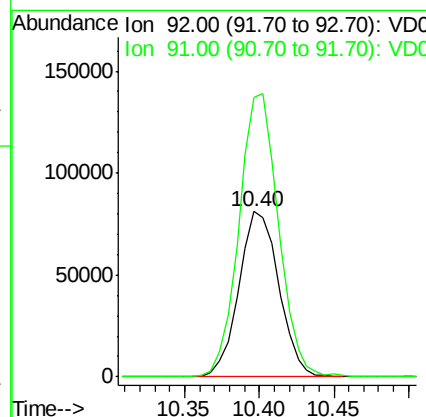
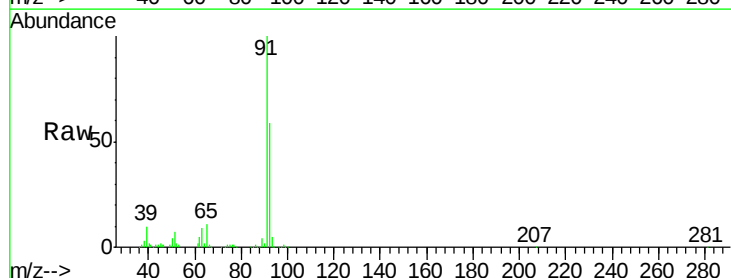
Manual Integrations
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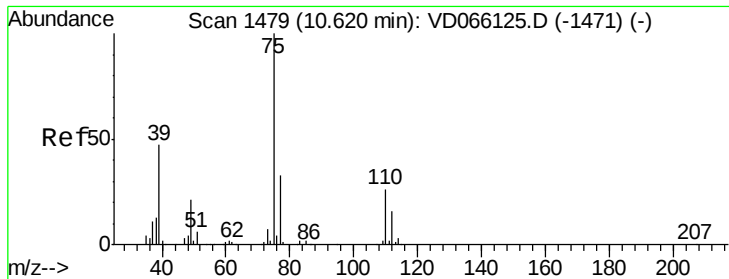
MMDadoda
8/11/2020 3:19:27 PM



#52
Toluene
Concen: 19.206 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	92	Resp	151191
Ion Ratio	92	100	
Lower	91	168.7	135.2
Upper			202.8





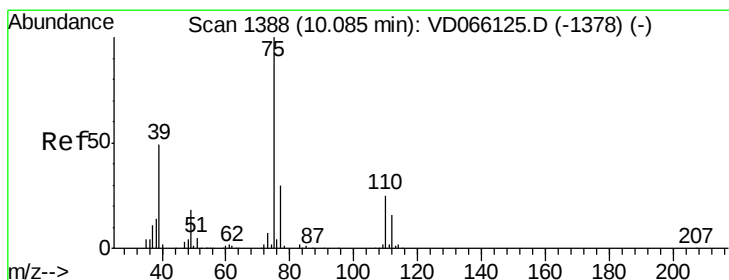
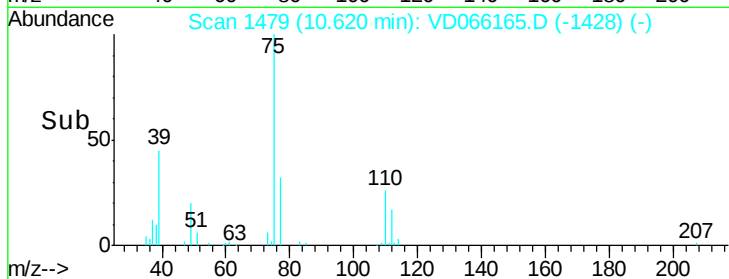
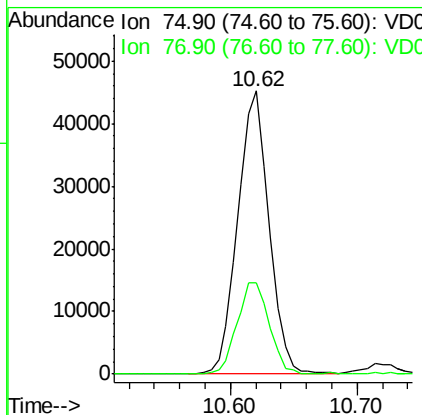
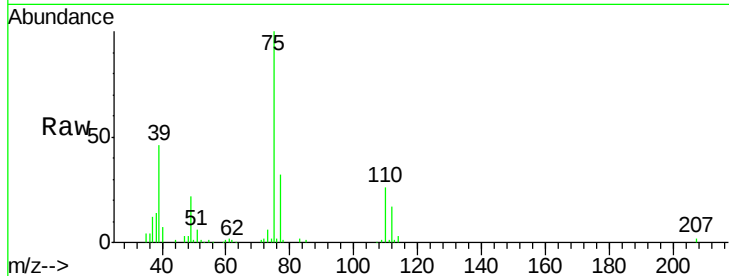
#53
 t-1,3-Dichloropropene
 Concen: 19.106 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.2

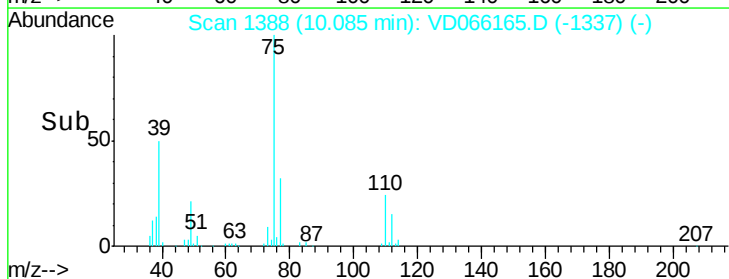
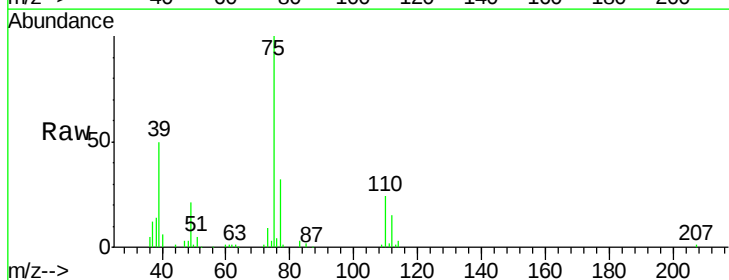
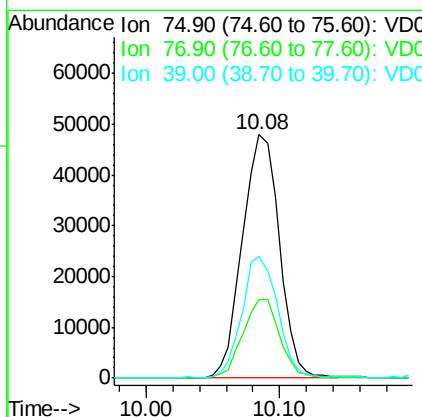
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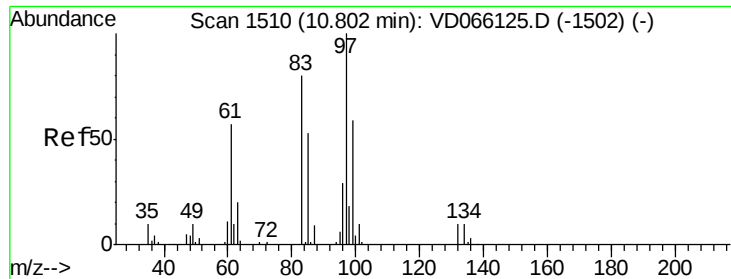
MMDadoda
 8/11/2020 3:19:27 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.477 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.3	36.5
39	49.4	39.3	58.9





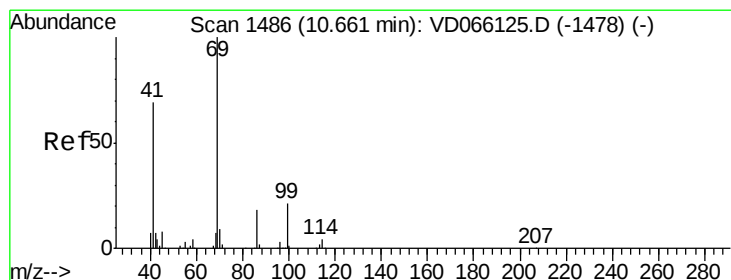
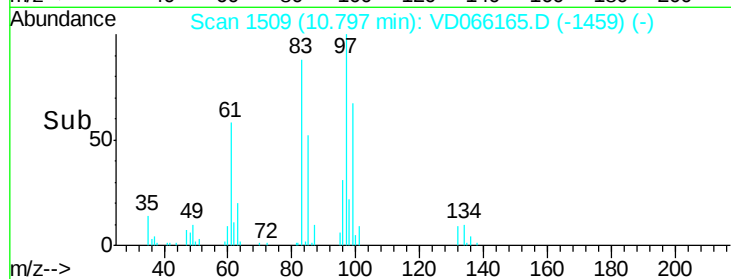
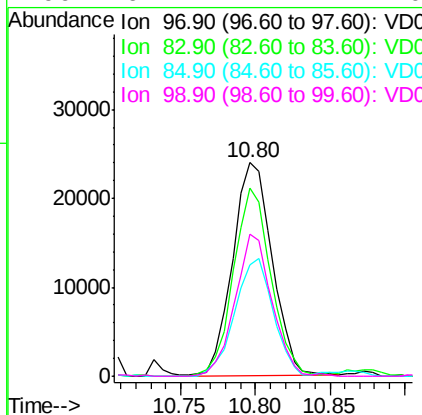
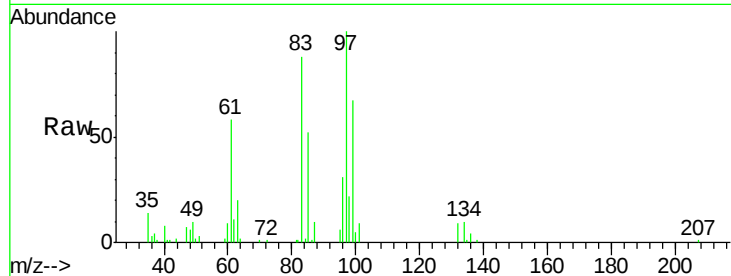
#55
 1,1,2-Trichloroethane
 Concen: 18.989 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion:	97	Resp:	44069
Ion	Ratio	Lower	Upper
97	100		
83	88.6	63.9	95.9
85	52.8	42.5	63.7
99	67.1	47.4	71.0

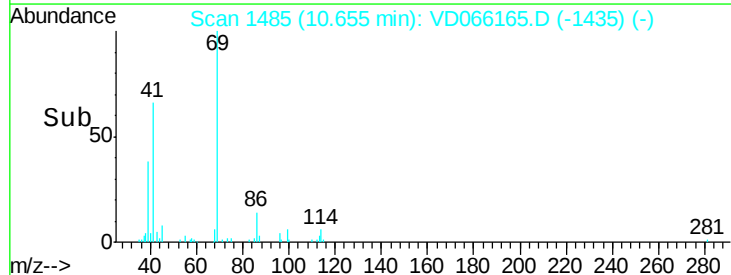
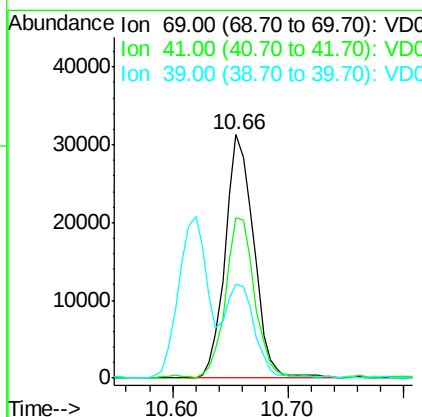
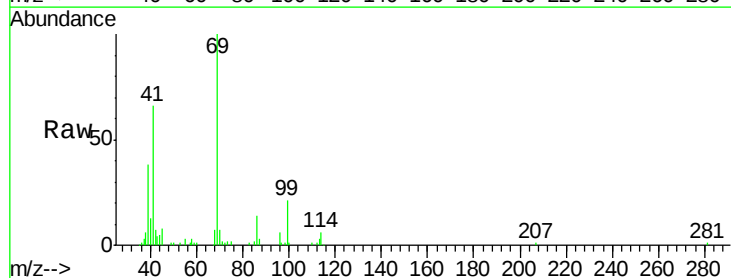
Manual Integrations
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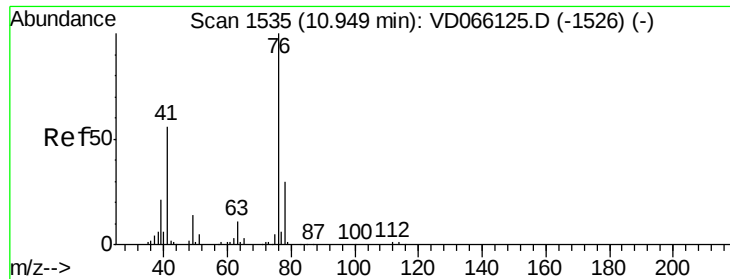
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#56
 Ethyl methacrylate
 Concen: 19.243 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion:	69	Resp:	53645
Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.1	81.1
39	40.8	28.6	43.0





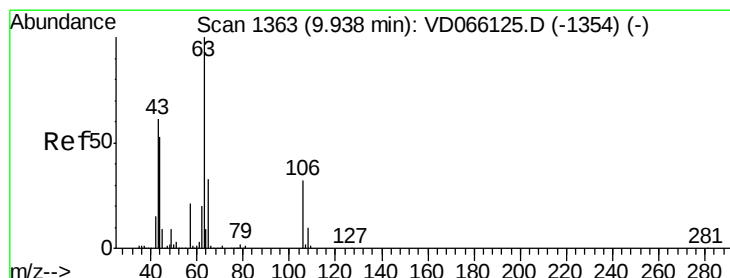
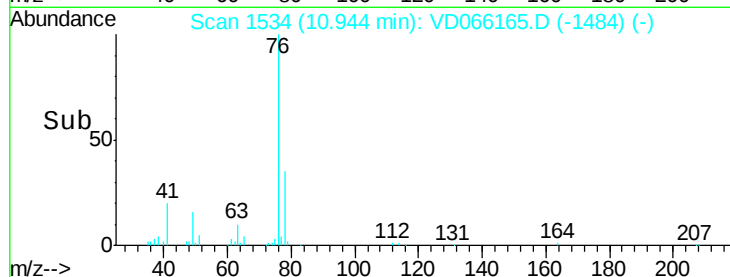
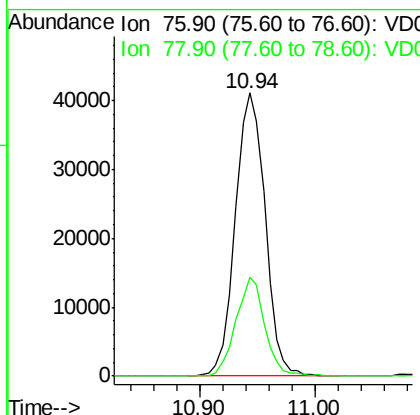
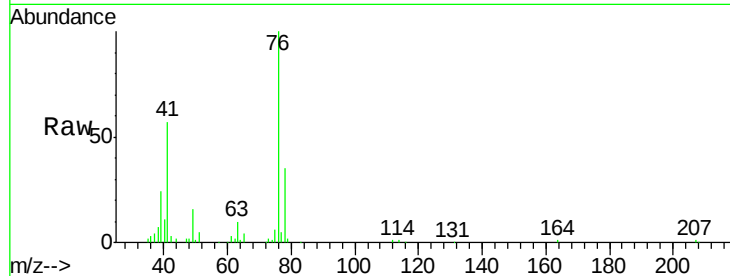
#57
 1,3-Dichloropropane
 Concen: 19.070 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion: 76 Resp: 73472
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.5 38.3

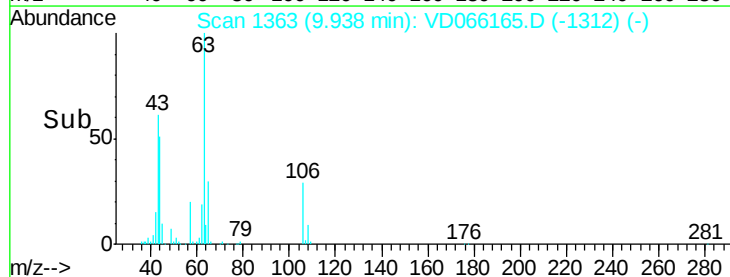
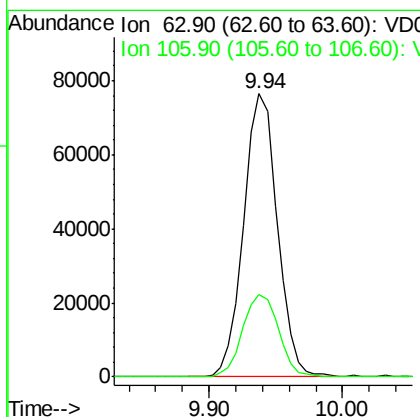
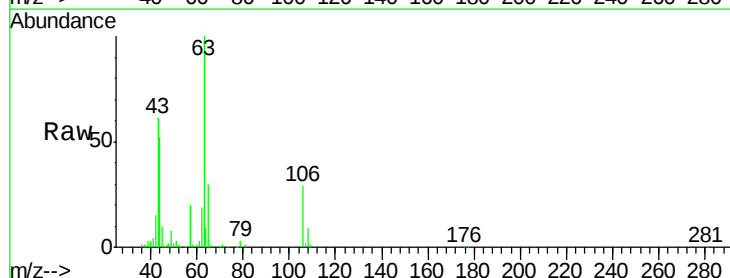
Manual Integrations
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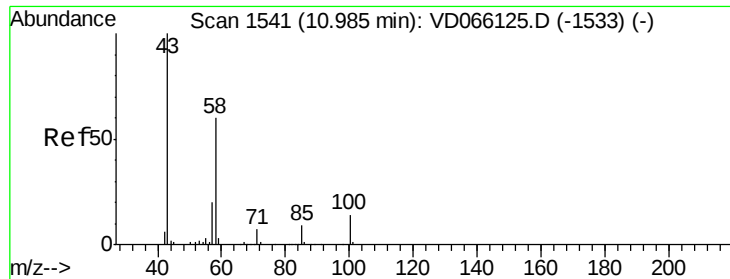
MMDadoda
 8/11/2020 3:19:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.430 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion: 63 Resp: 133464
 Ion Ratio Lower Upper
 63 100
 106 31.1 25.3 37.9





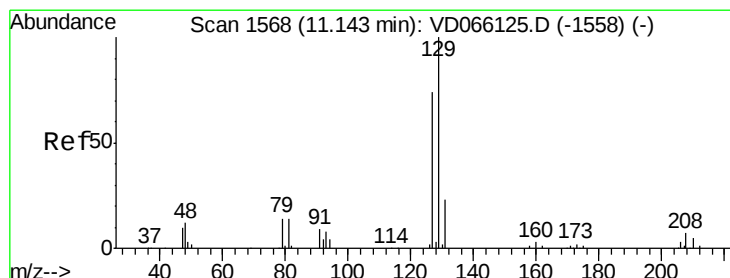
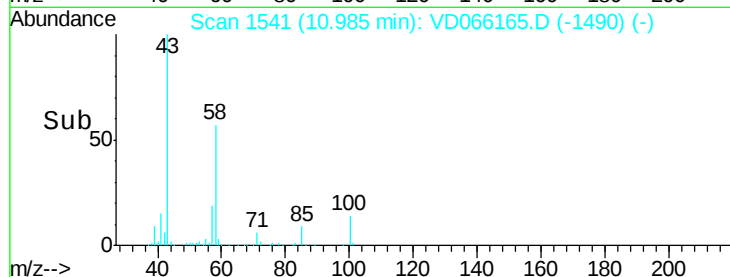
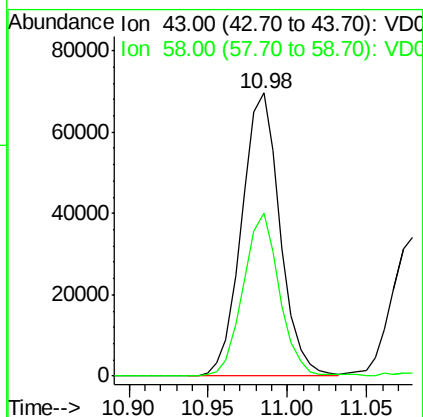
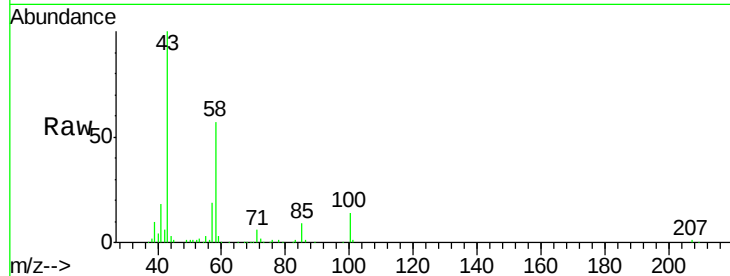
#59
2-Hexanone
Concen: 96.360 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBSD01

Tot Ion: 43 Resp: 116946
Ion Ratio Lower Upper
43 100
58 54.5 27.8 83.4

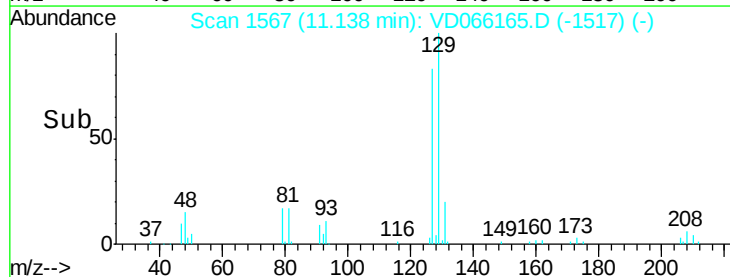
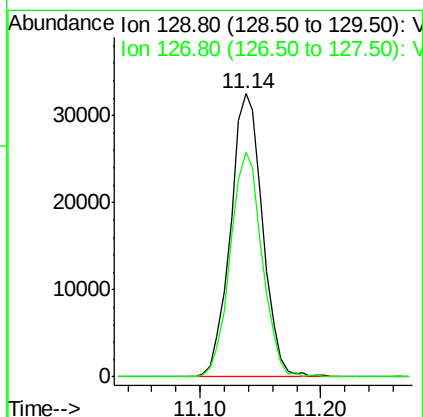
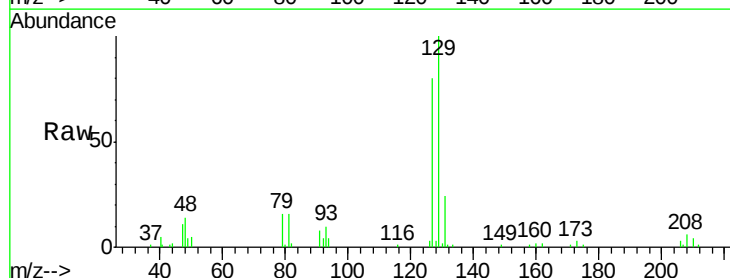
Manual Integrations
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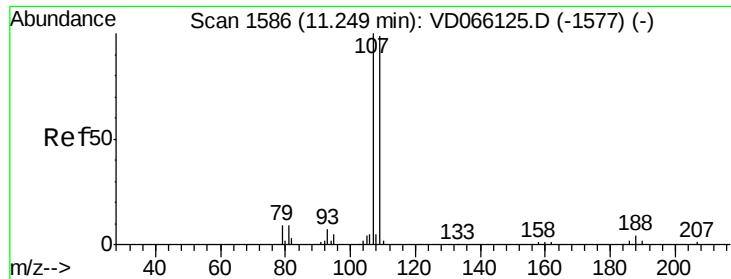
MMDadoda
8/11/2020 3:19:27 PM



#60
Dibromochloromethane
Concen: 18.738 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion: 129 Resp: 60036
Ion Ratio Lower Upper
129 100
127 79.0 38.0 114.1





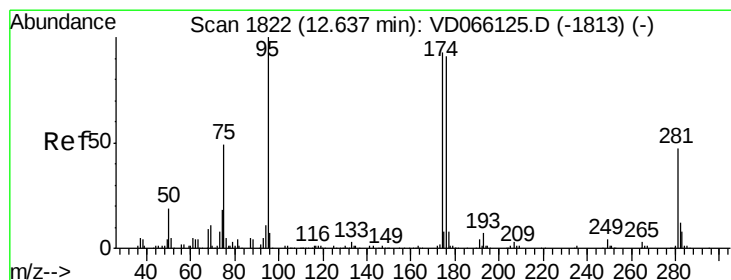
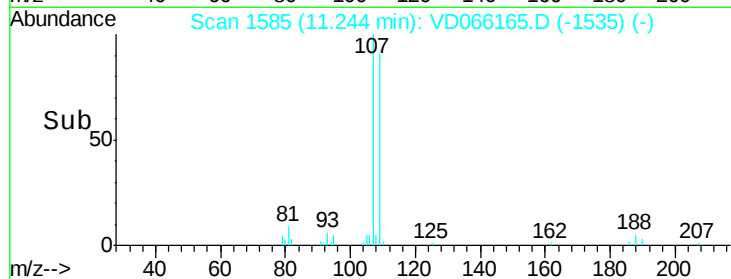
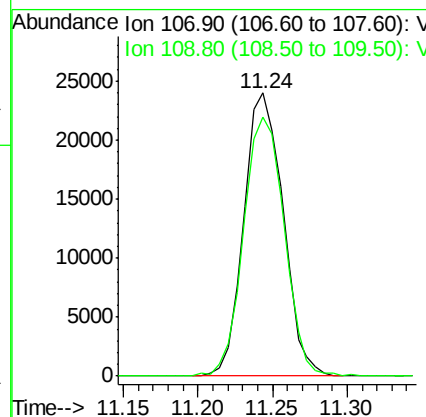
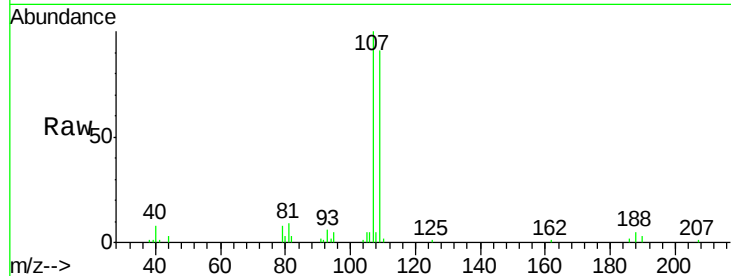
#61
 1,2-Dibromoethane
 Concen: 19.555 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBSD01

Tot Ion:107 Resp: 43643
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.5 114.7

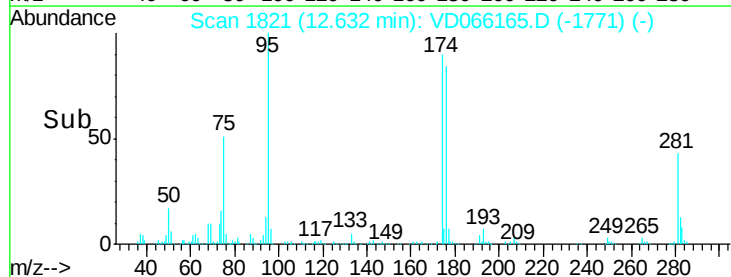
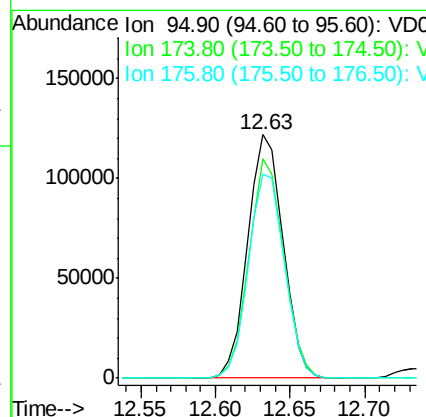
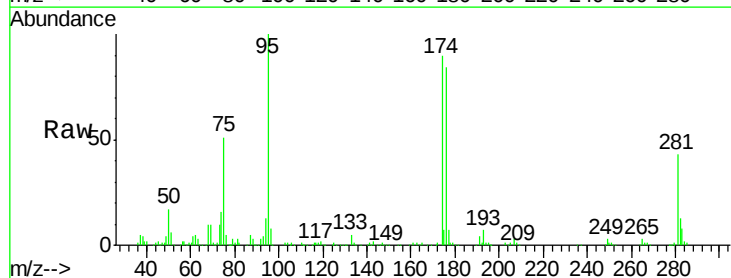
Manual Integrations
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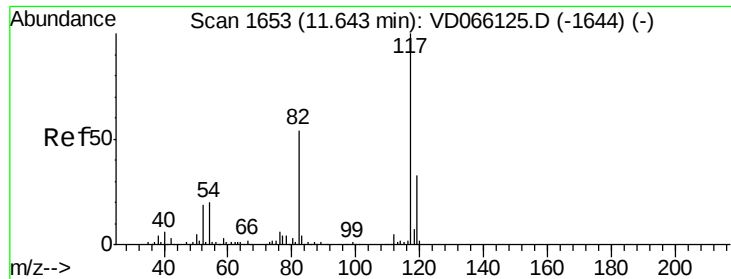
MMDadoda
 8/11/2020 3:19:27 PM



#62
 4-Bromofluorobenzene
 Concen: 51.734 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion: 95 Resp: 200063
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 180.8
 176 85.3 0.0 181.2





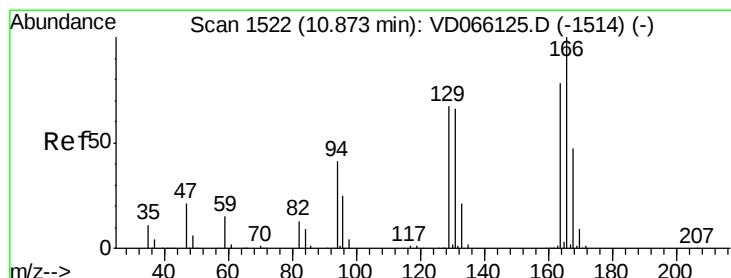
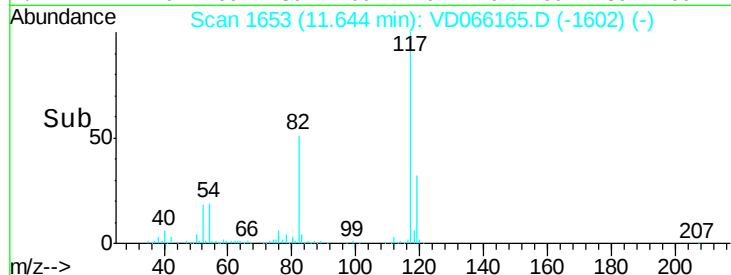
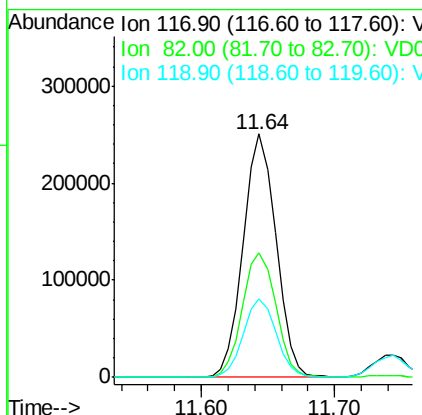
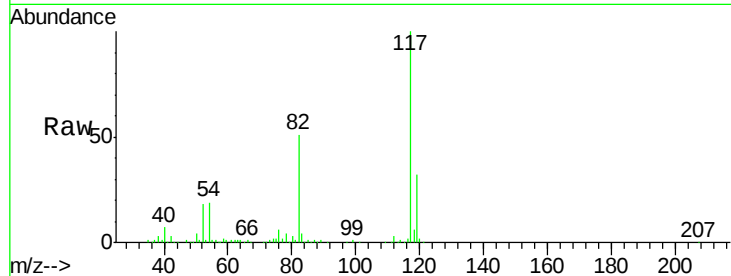
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428410		
82	51.0	43.0	64.4	
119	32.4	26.1	39.1	

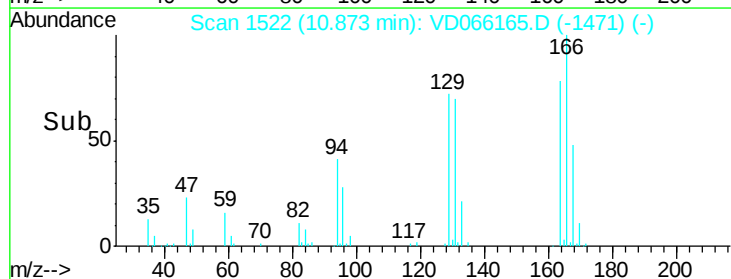
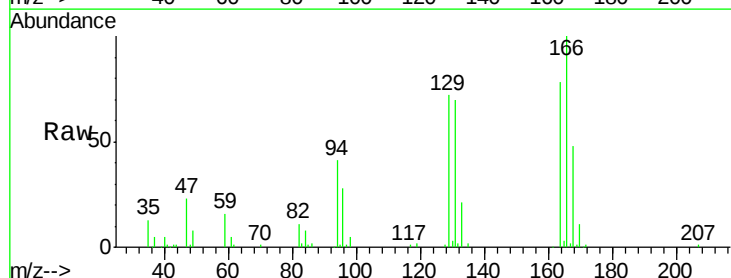
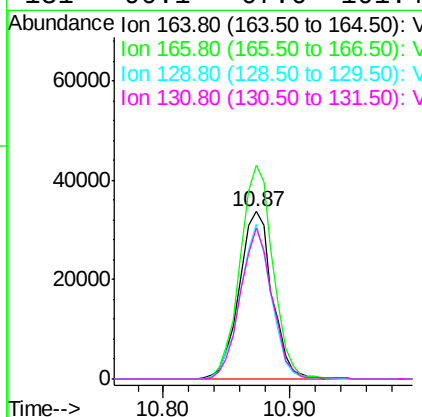
Manual Integrations
APPROVED

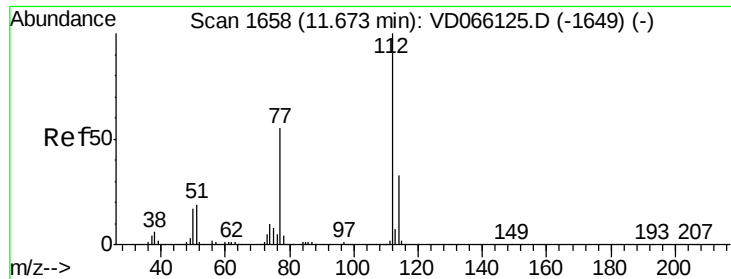
MMDadoda
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#64
Tetrachloroethene
Concen: 18.499 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60855		
166	127.8	101.9	152.9	
129	92.4	68.1	102.1	
131	90.1	67.6	101.4	





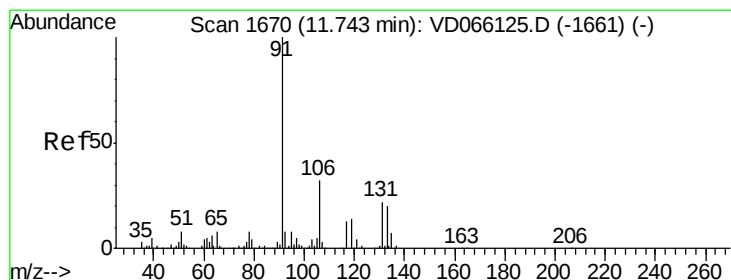
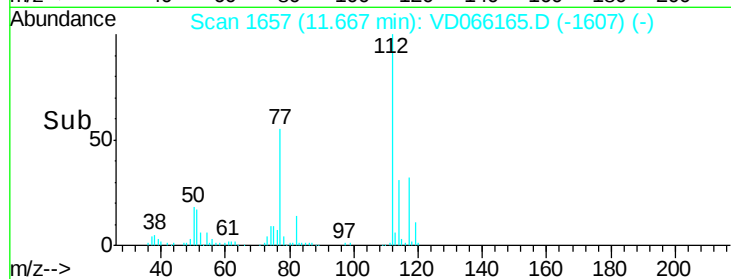
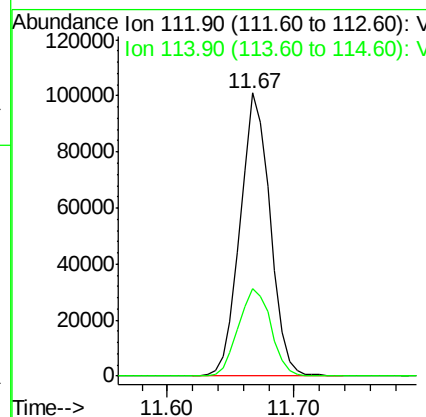
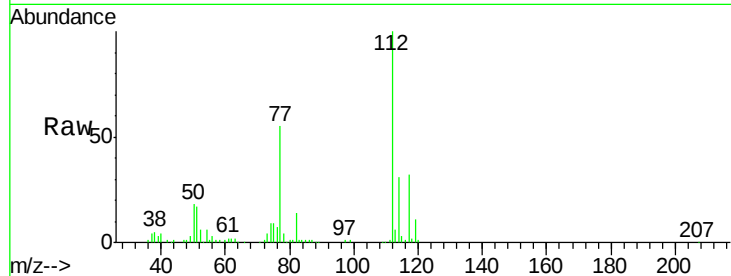
#65
Chlorobenzene
Concen: 19.051 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	165682		
114	30.8	26.1	39.1	

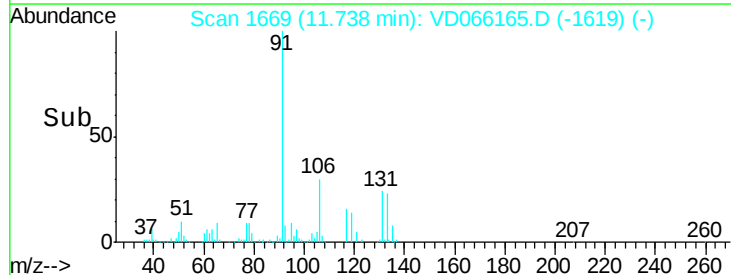
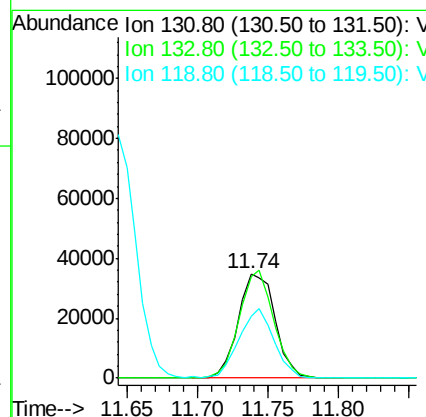
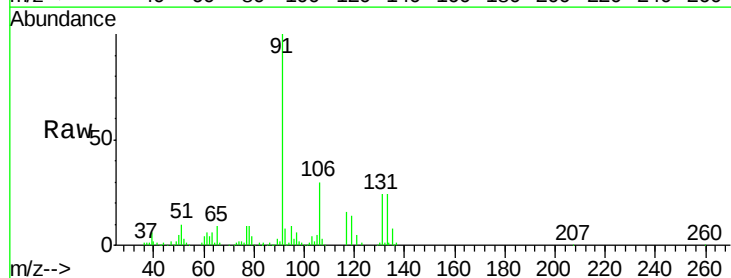
Manual Integrations
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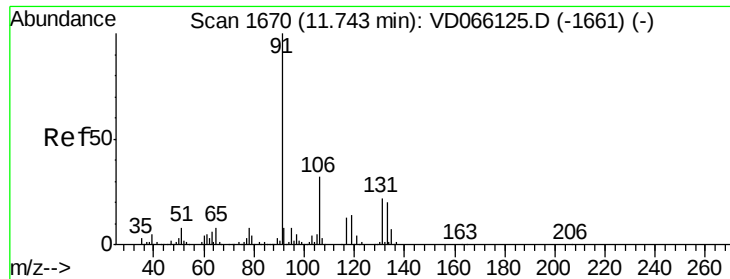
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.694 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	63614		
133	96.8	47.1	141.4	
119	63.3	31.6	94.7	





#67

Ethyl Benzene

Concen: 19.036 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 91 Resp: 286896

Ion Ratio Lower Upper

91 100

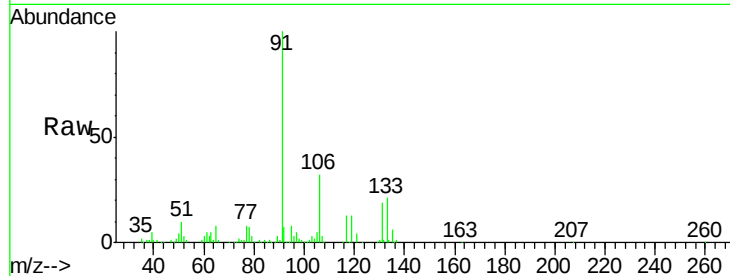
106 32.2 25.7 38.5

Manual Integrations

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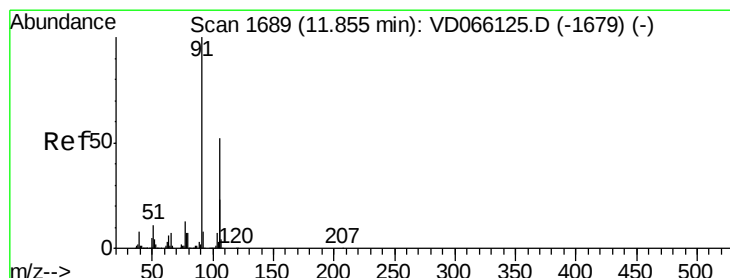
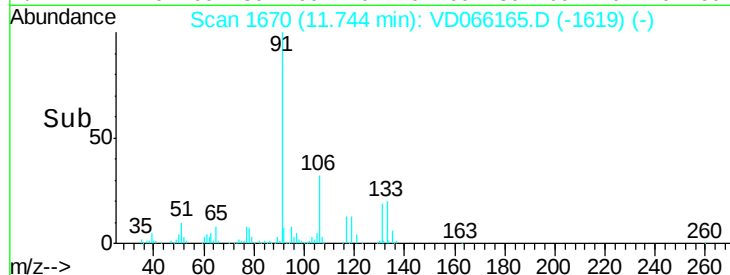
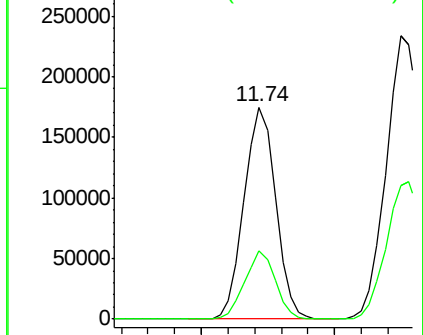
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD066125.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD066125.D (-1661) (-)



#68

m/p-Xylenes

Concen: 37.865 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066165.D

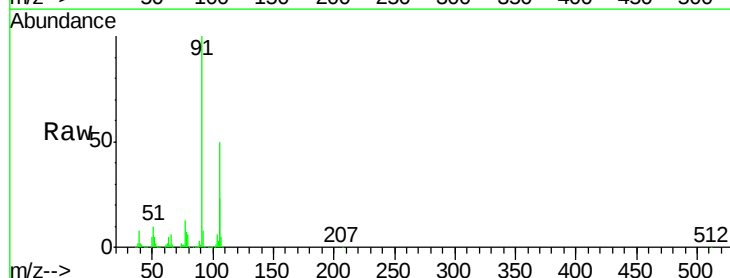
Acq: 10 Aug 2020 15:33

Tgt Ion: 106 Resp: 221098

Ion Ratio Lower Upper

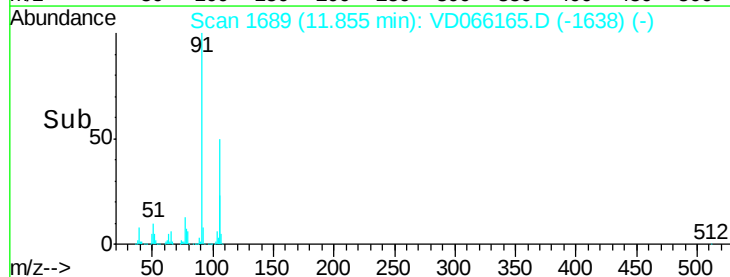
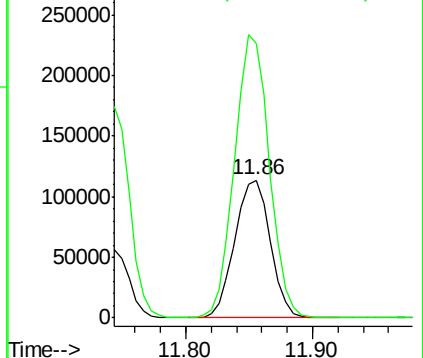
106 100

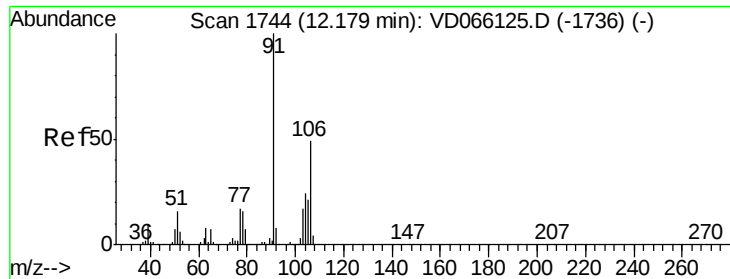
91 200.7 156.6 235.0



Abundance Ion 106.00 (105.70 to 106.70): VD066125.D (-1679) (-)

Ion 91.00 (90.70 to 91.70): VD066125.D (-1679) (-)





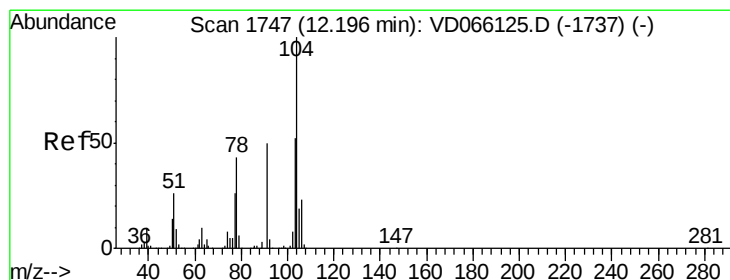
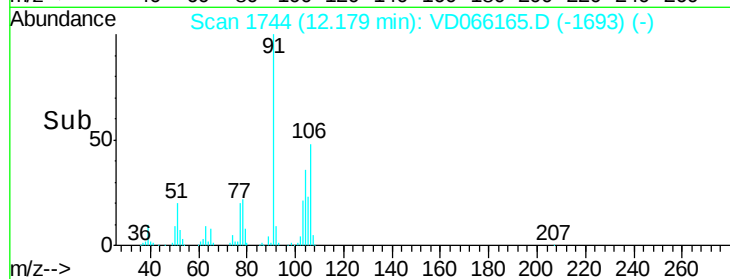
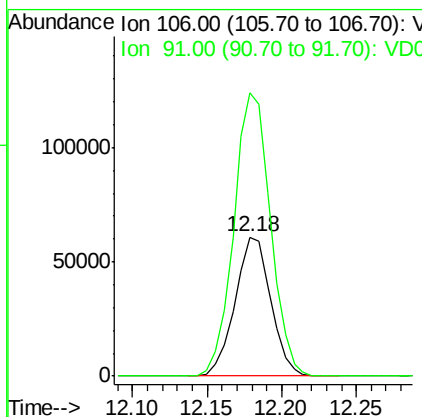
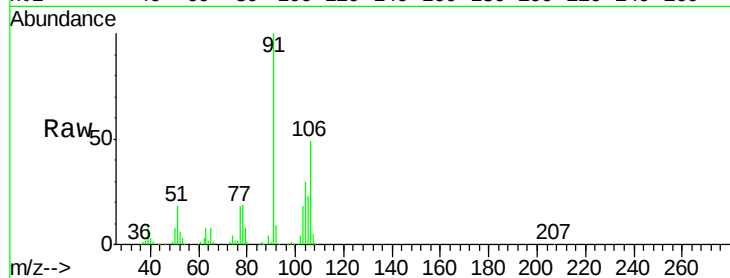
#69
o-Xylene
Concen: 19.024 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	101048		
91	209.0	105.7	317.1	

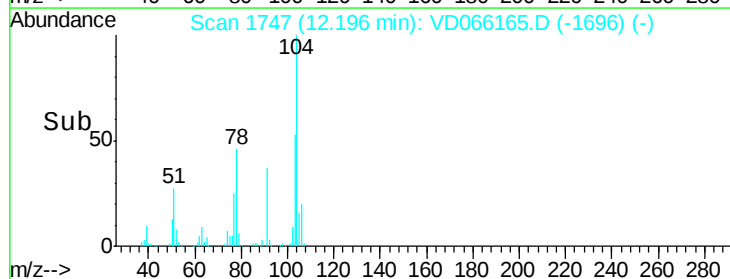
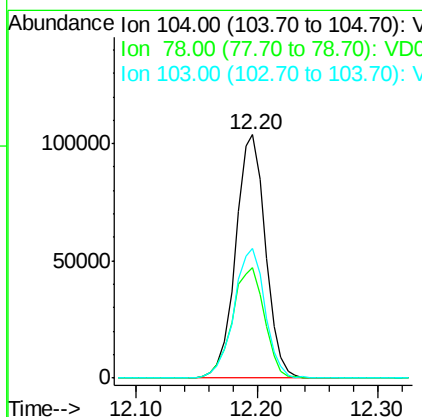
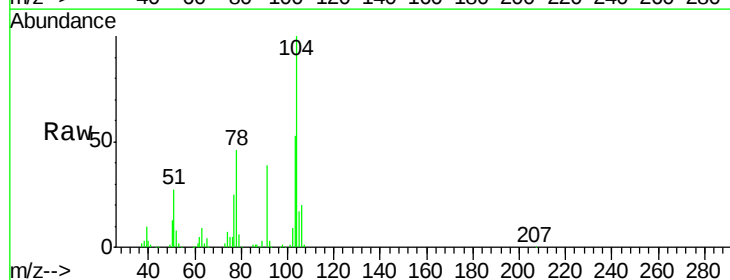
Manual Integrations
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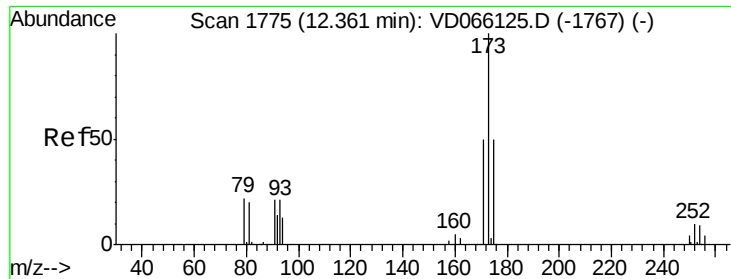
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#70
Styrene
Concen: 19.187 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	178612		
78	49.2	38.6	58.0	
103	55.5	44.1	66.1	





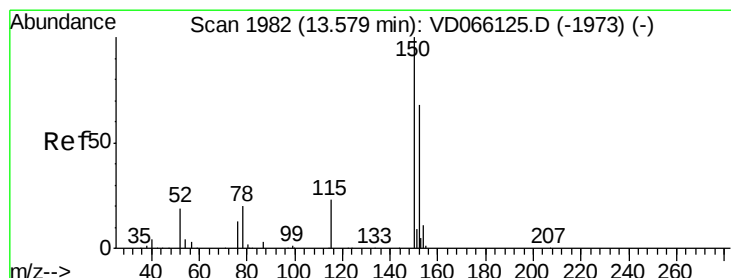
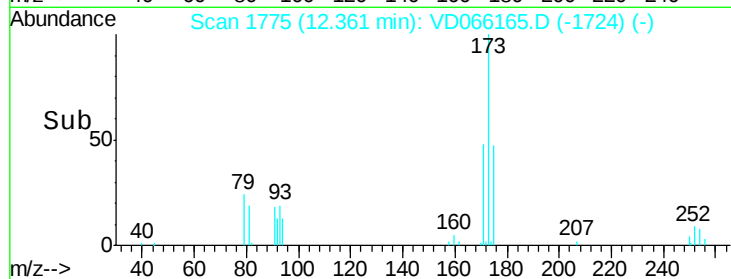
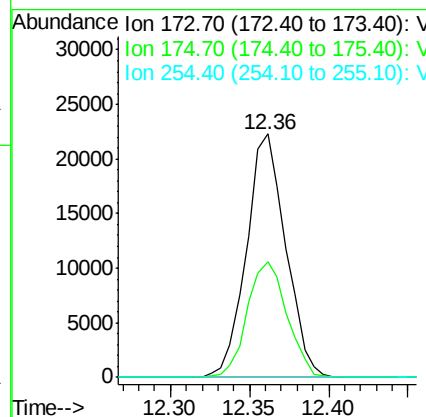
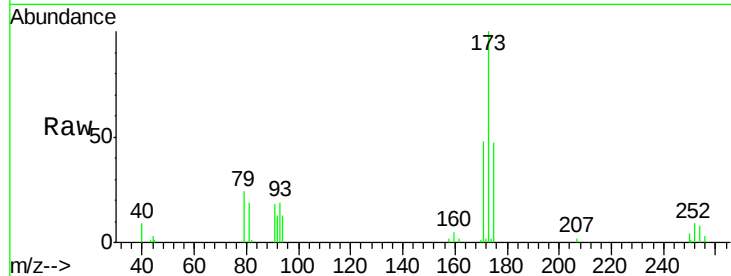
#71
Bromoform
Concen: 18.985 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.2	0.2

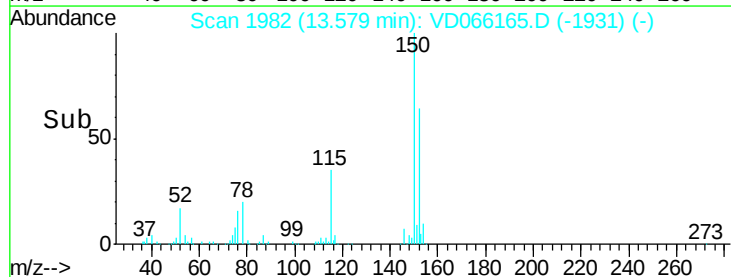
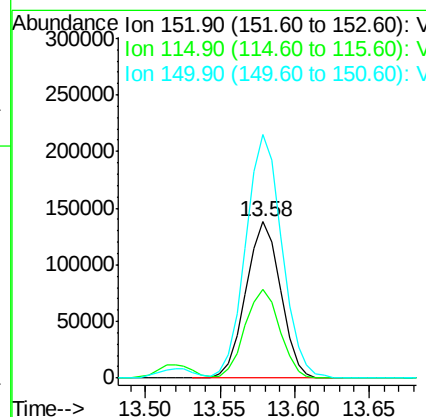
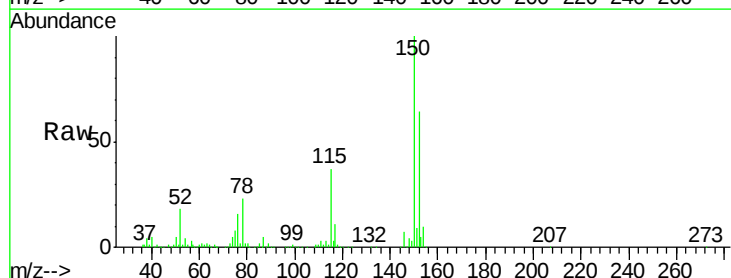
Manual Integrations
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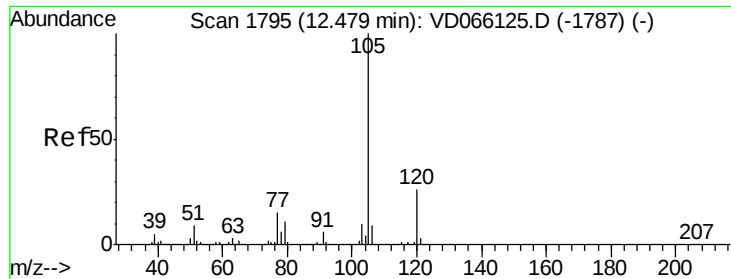
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.0	83.9
150	162.3	0.0	346.4





#73

Isopropylbenzene

Concen: 18.882 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 105 Resp: 280248

Ion Ratio Lower Upper

105 100

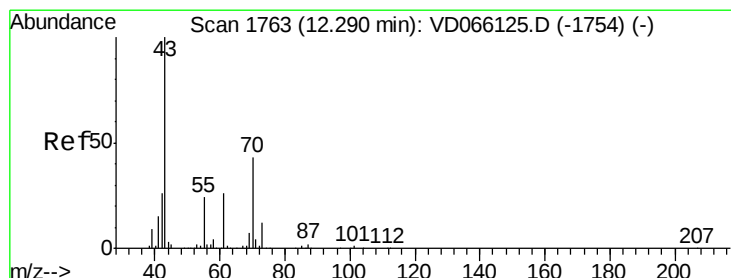
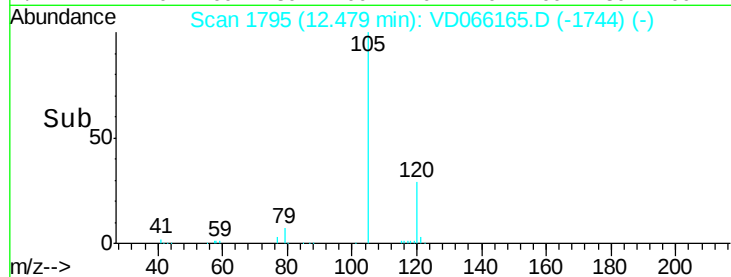
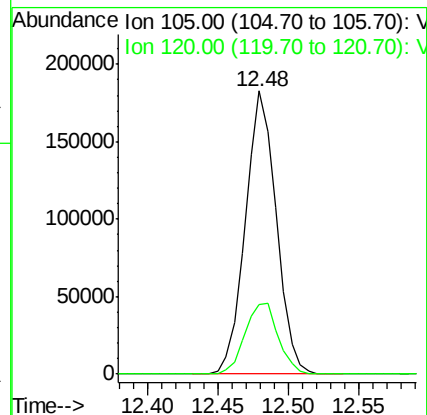
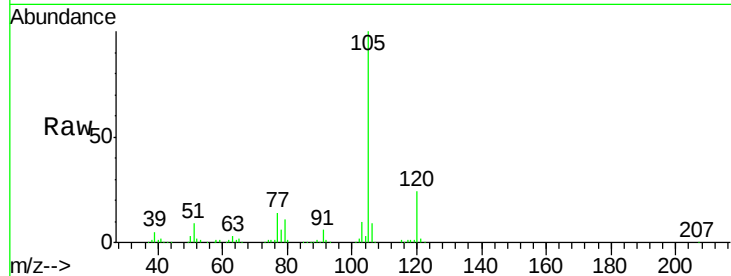
120 27.0 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.798 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Tgt Ion: 43 Resp: 61435

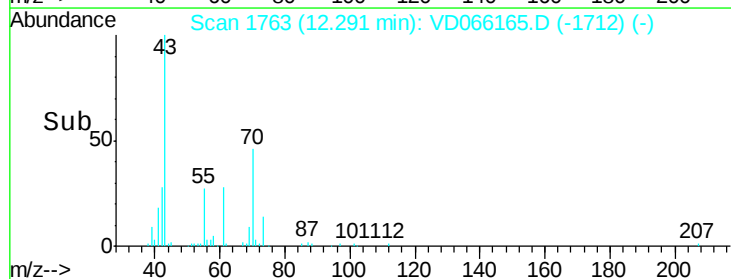
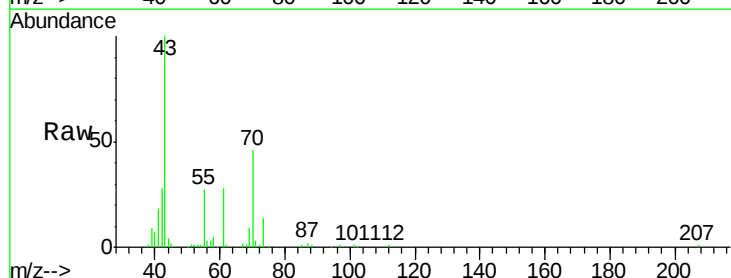
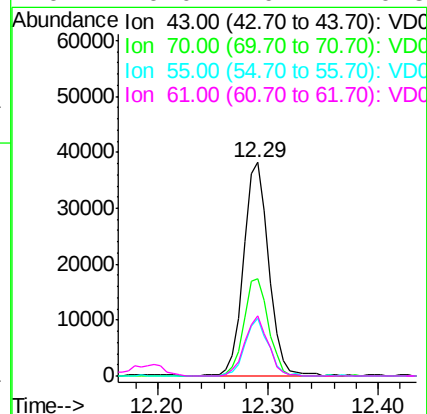
Ion Ratio Lower Upper

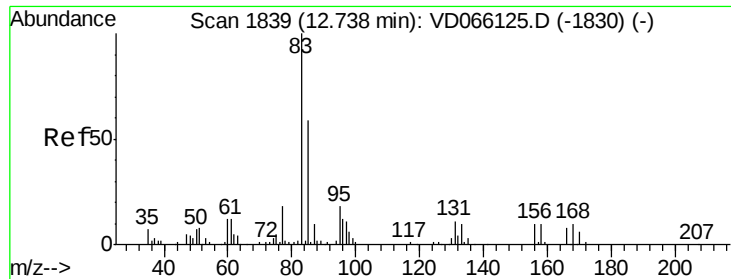
43 100

70 44.3 34.9 52.3

55 25.1 19.2 28.8

61 26.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.448 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

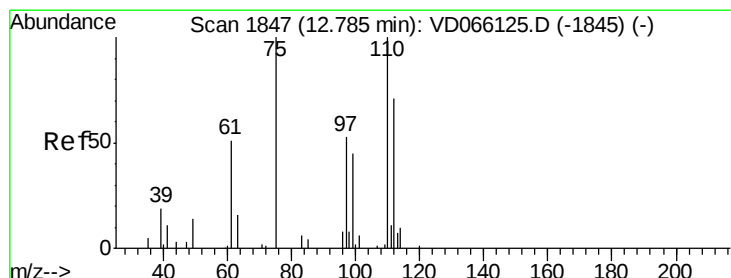
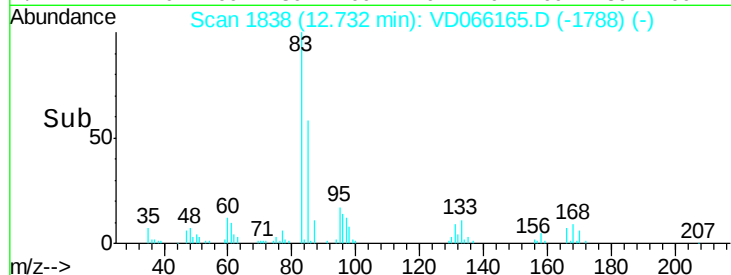
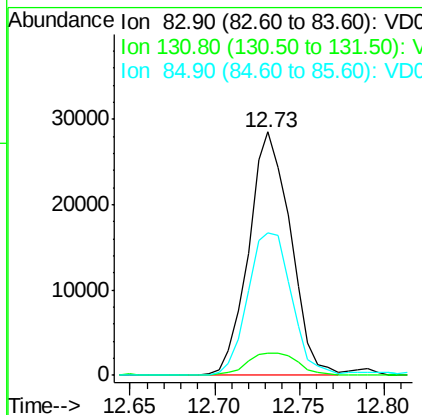
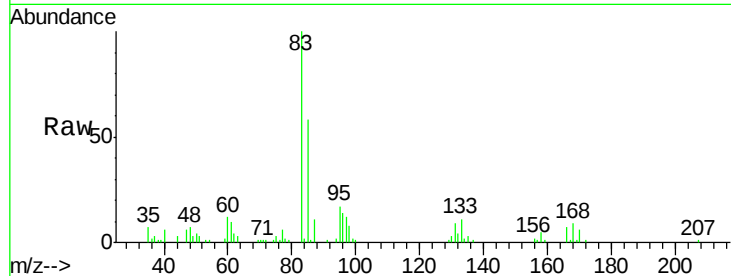
ClientSampleId :

VD0810SBS01

Tot Ion:	83	Resp:	49219
Ion Ratio	Lower	Upper	
83	100		
131	11.2	6.2	18.6
85	61.1	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.487 ug/l m

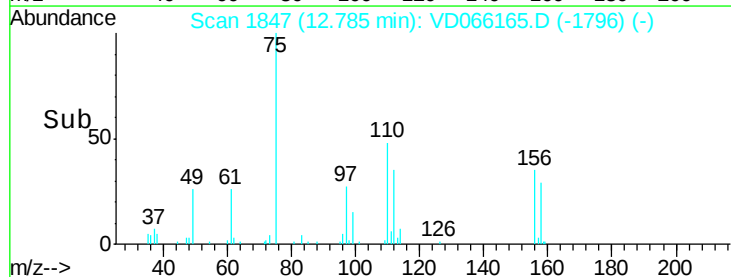
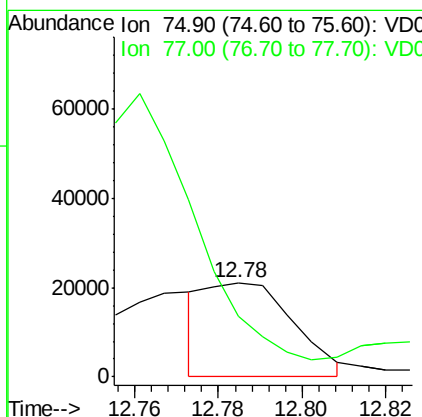
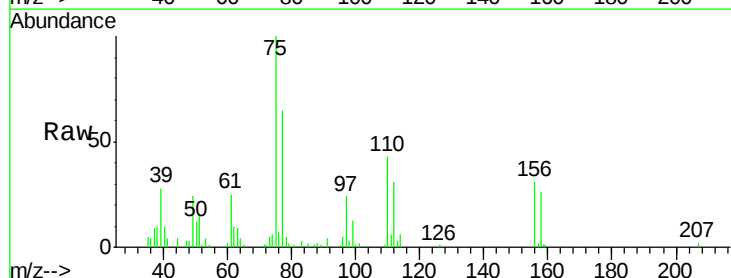
RT: 12.78 min Scan# 1847

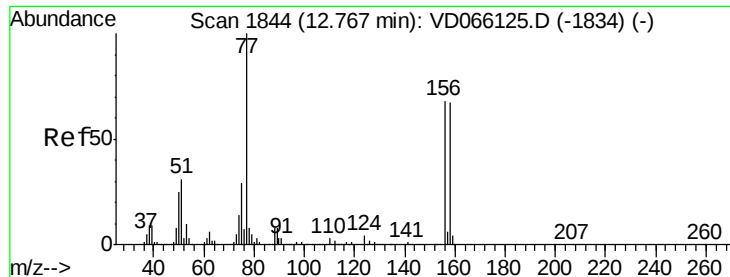
Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Tgt Ion:	75	Resp:	30569
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.147 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion:156 Resp: 73154

Ion Ratio Lower Upper

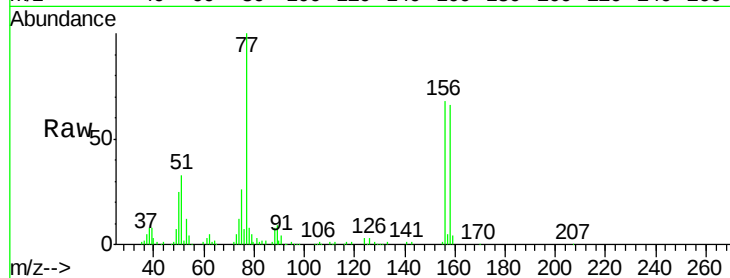
156 100

77 159.2 81.0 243.1

158 97.1 48.8 146.3

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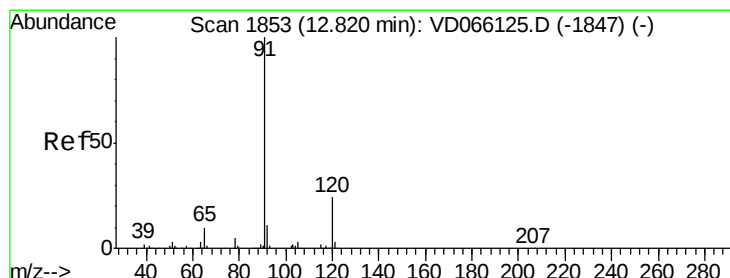
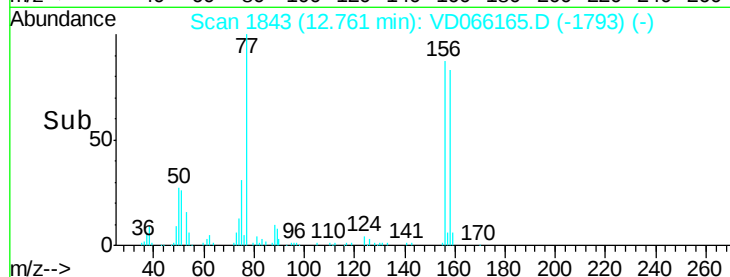
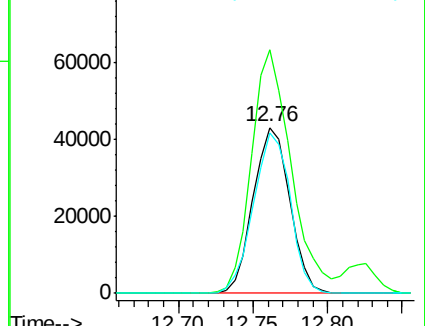
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.879 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066165.D

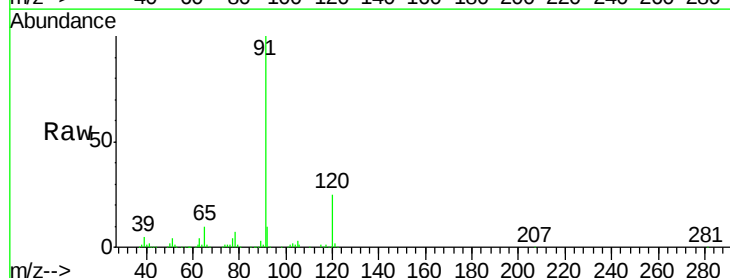
Acq: 10 Aug 2020 15:33

Tgt Ion: 91 Resp: 325708

Ion Ratio Lower Upper

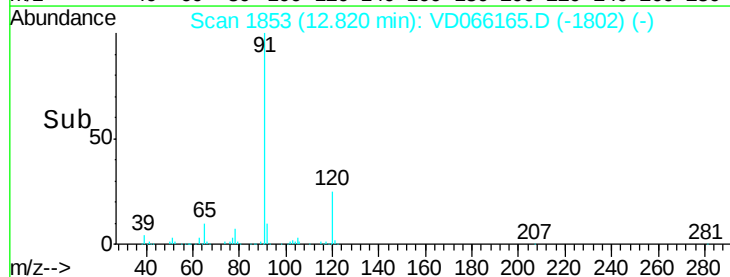
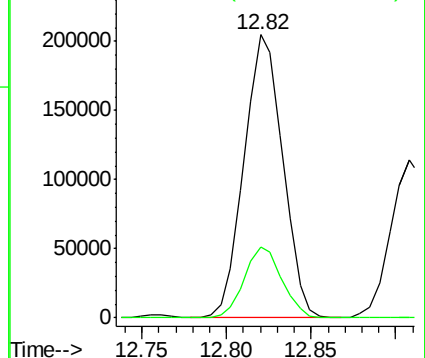
91 100

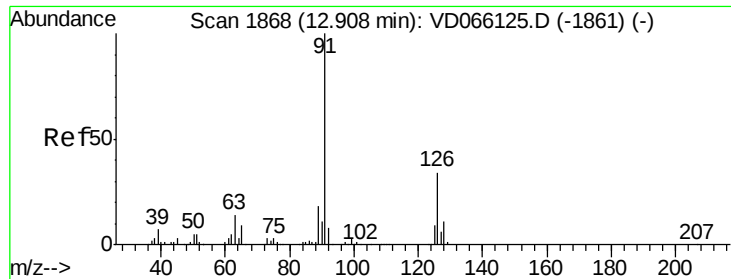
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.265 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion: 91 Resp: 190089

Ion Ratio Lower Upper

91 100

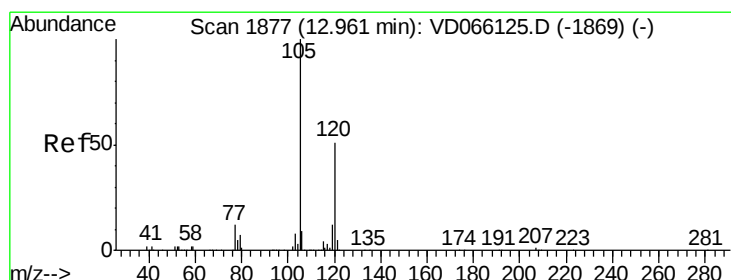
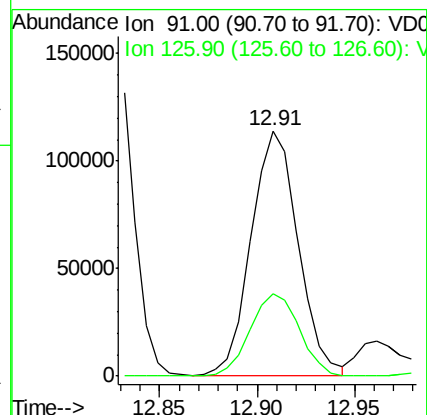
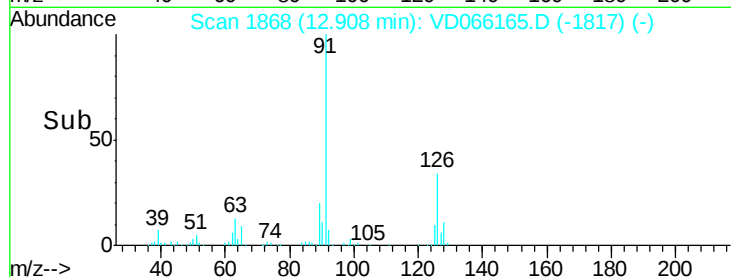
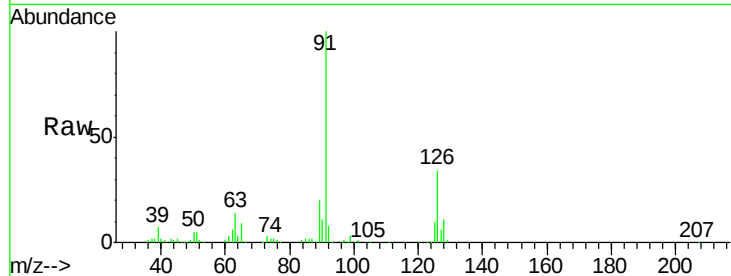
126 35.2 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 19.244 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066165.D

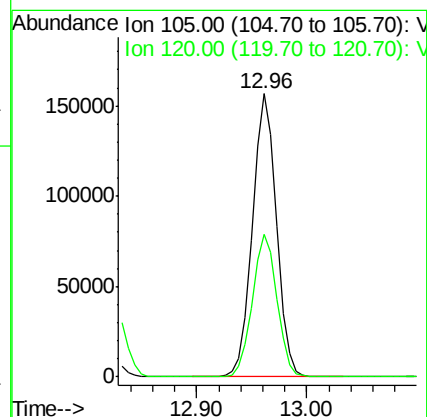
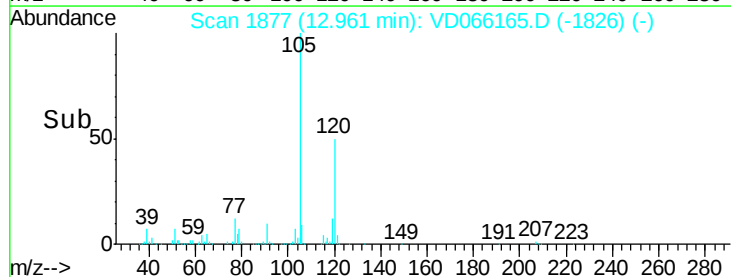
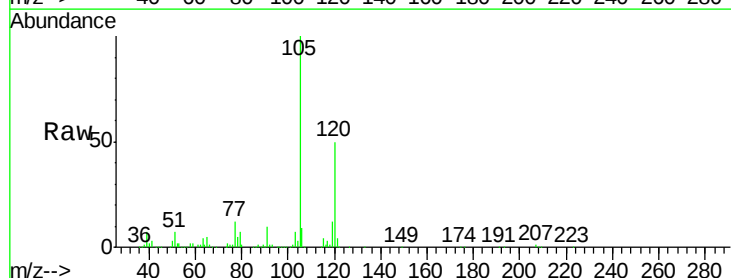
Acq: 10 Aug 2020 15:33

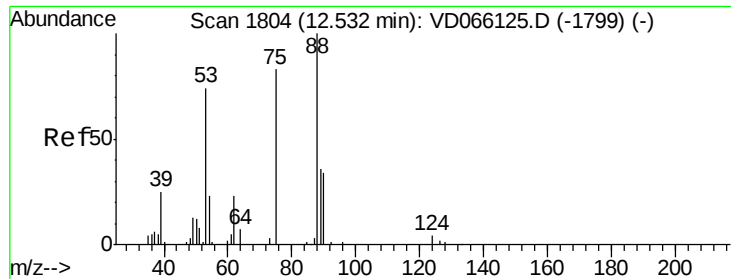
Tgt Ion: 105 Resp: 238858

Ion Ratio Lower Upper

105 100

120 51.5 25.3 75.8





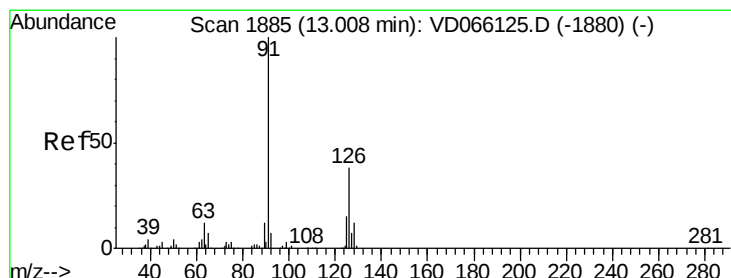
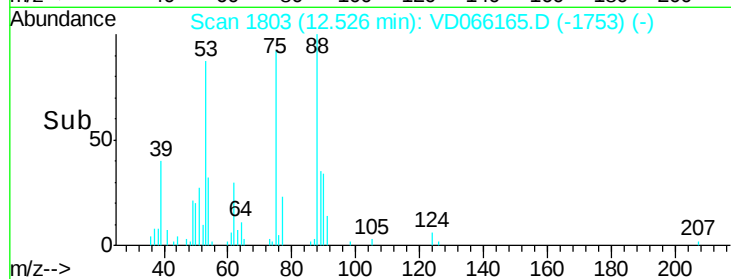
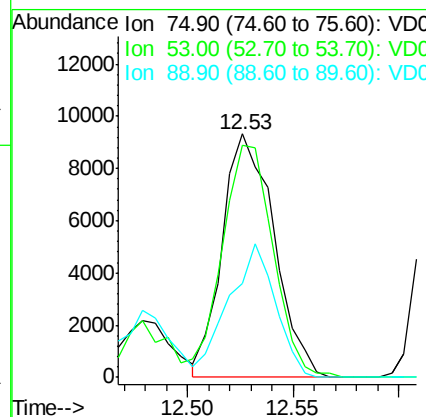
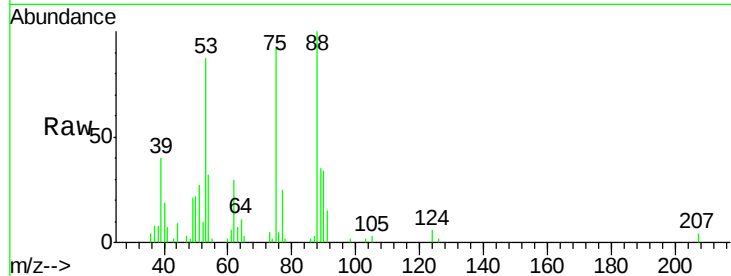
#81
trans-1,4-Dichloro-2-butene
Concen: 18.879 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.5	73.4	110.2
89	49.5	36.6	55.0

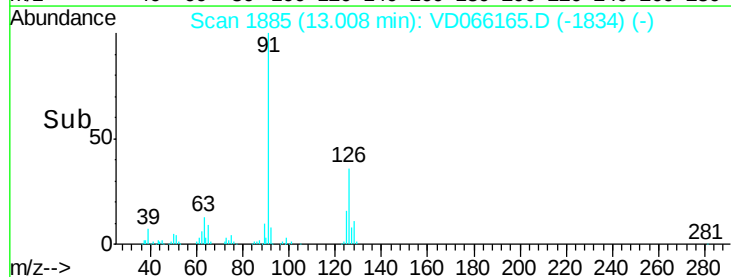
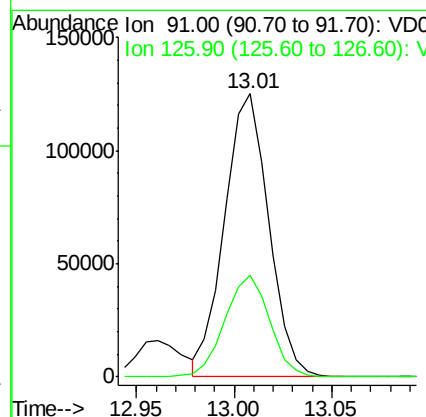
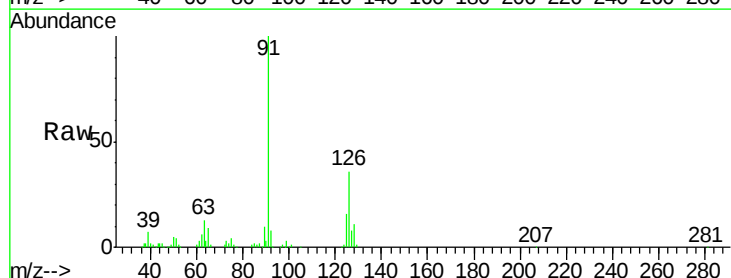
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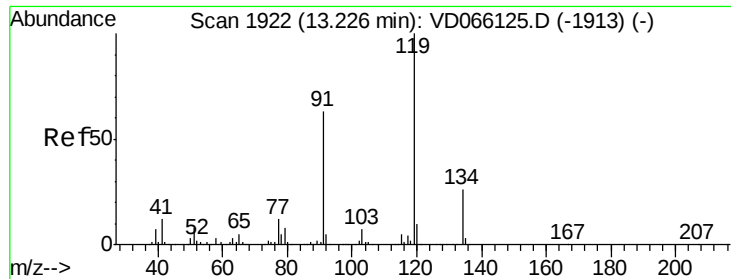
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#82
4-Chlorotoluene
Concen: 18.849 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.8	53.3





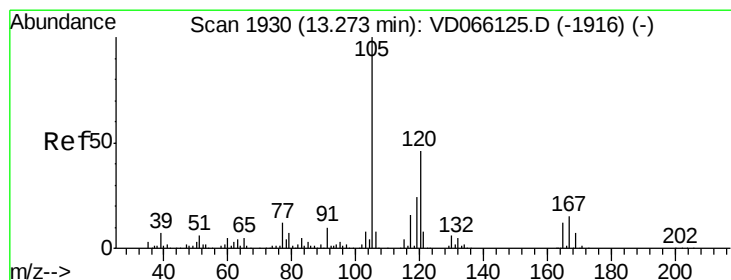
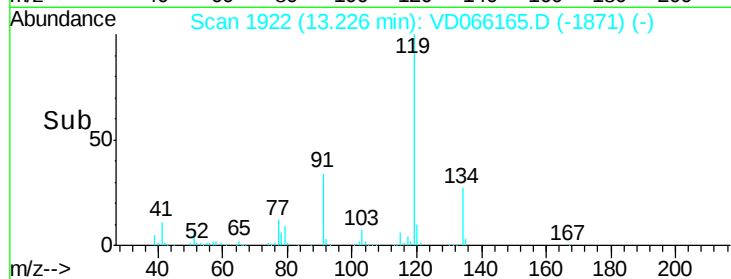
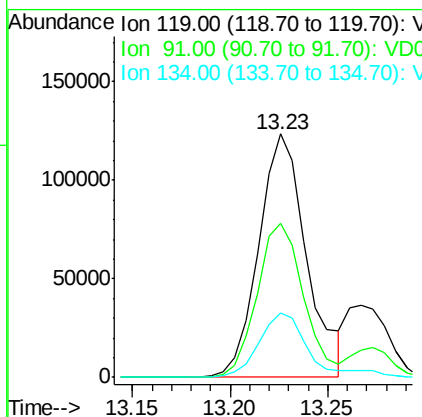
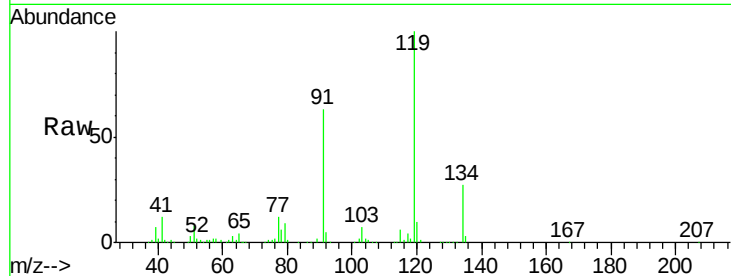
#83
 tert-Butylbenzene
 Concen: 19.183 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209402		
91	61.5		30.8	92.4
134	27.4		13.6	40.8

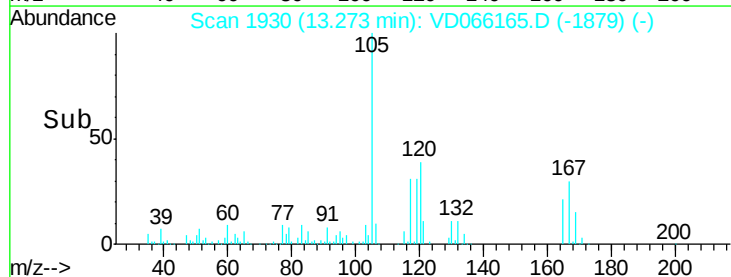
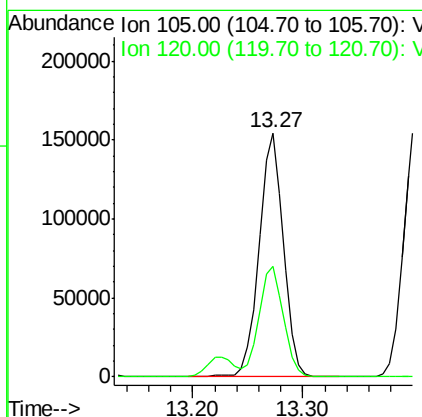
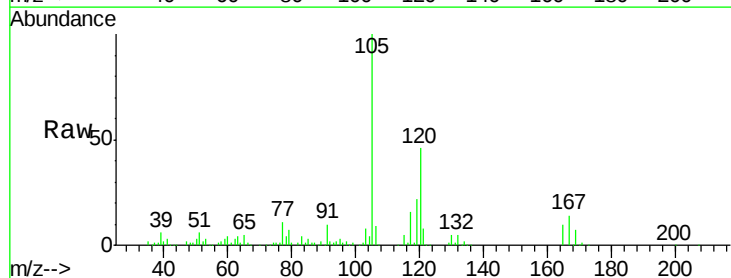
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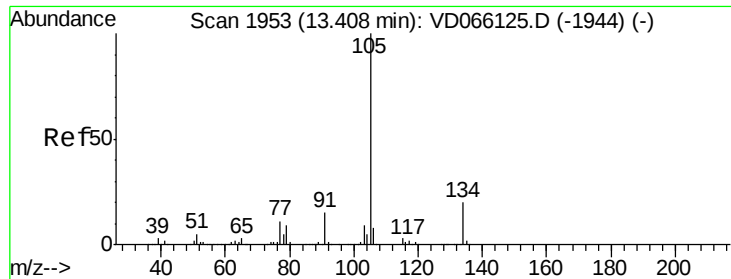
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.209 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	238614		
120	45.5		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.112 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

ClientSampleId :

VD0810SBS01

Tot Ion:105 Resp: 281670

Ion Ratio Lower Upper

105 100

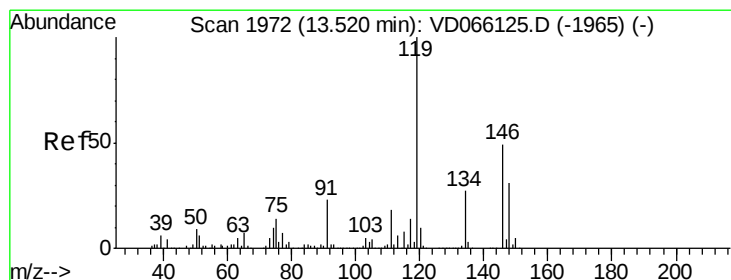
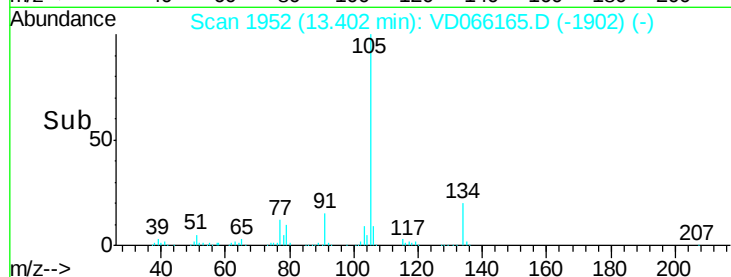
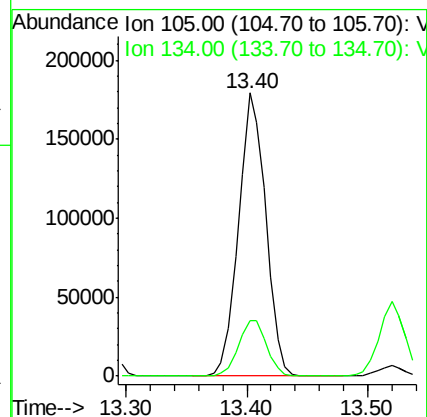
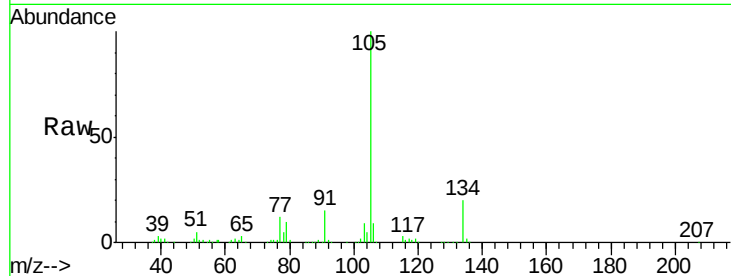
134 20.3 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.323 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

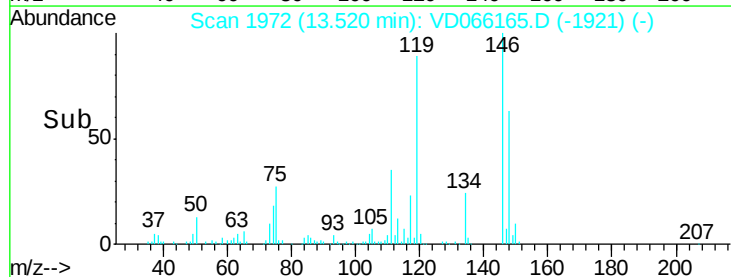
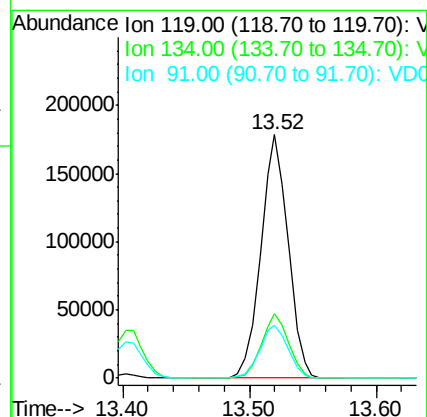
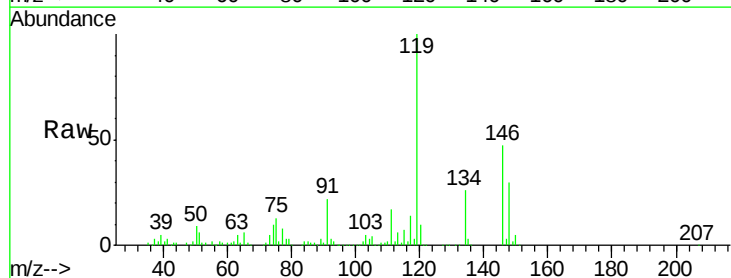
Tgt Ion:119 Resp: 267091

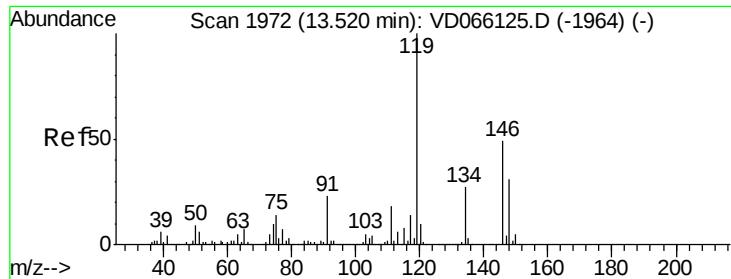
Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

91 22.5 11.2 33.5





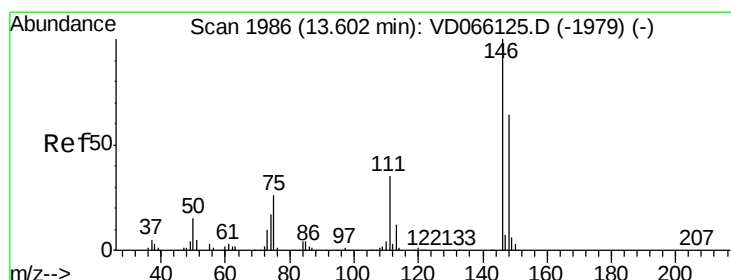
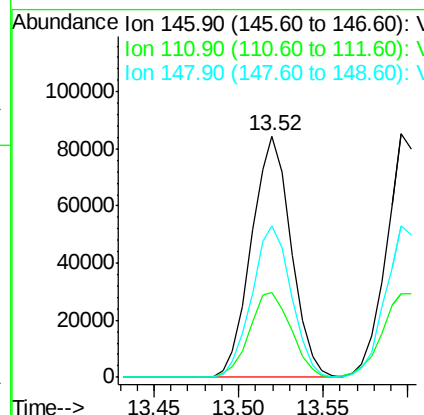
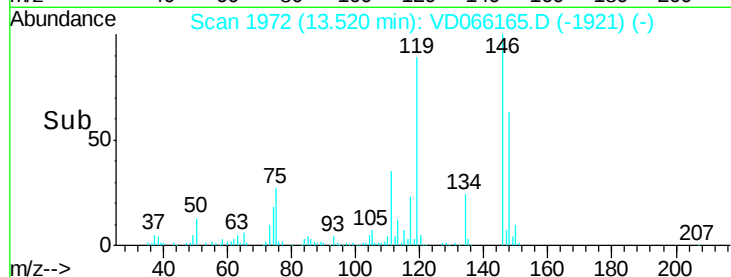
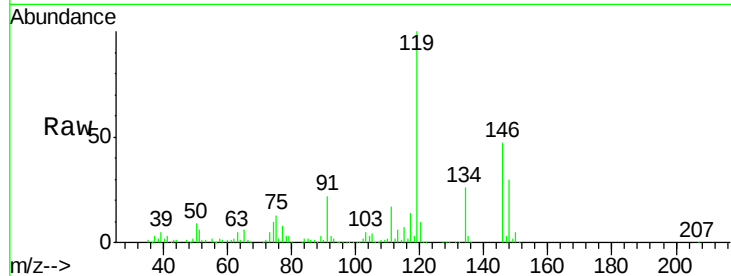
#87
 1,3-Dichlorobenzene
 Concen: 19.232 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	138095		
111	36.6	18.9	56.9	
148	62.3	31.8	95.3	

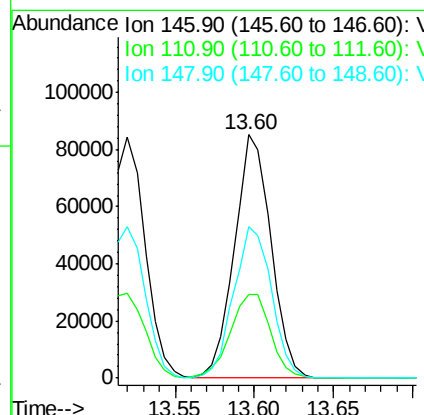
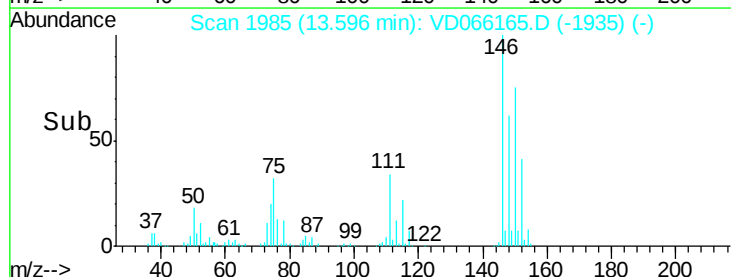
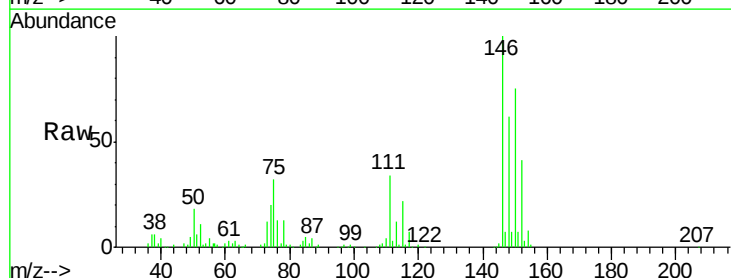
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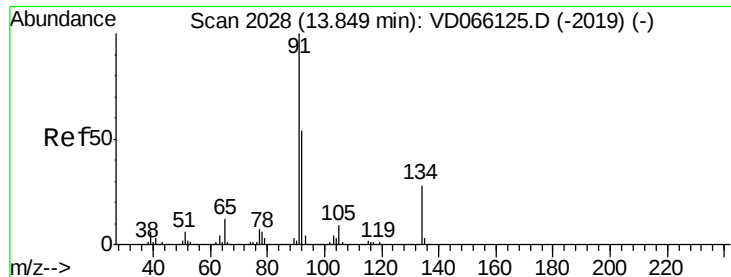
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#88
 1,4-Dichlorobenzene
 Concen: 19.055 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136453		
111	37.9	18.6	55.8	
148	64.6	32.4	97.0	





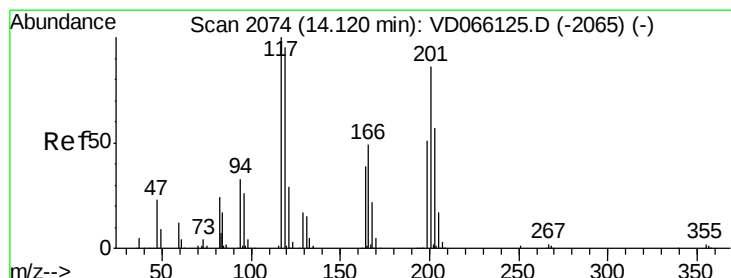
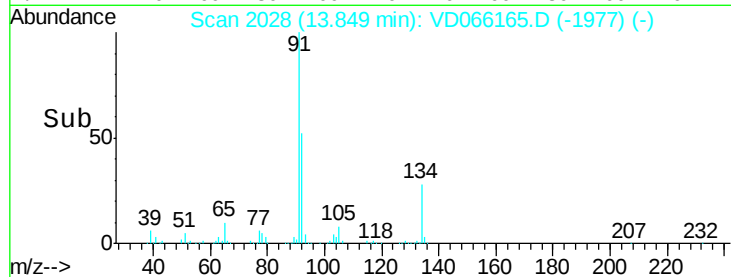
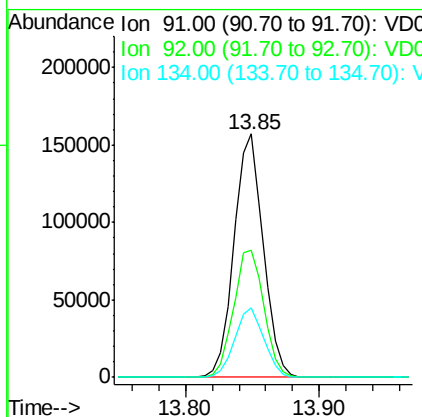
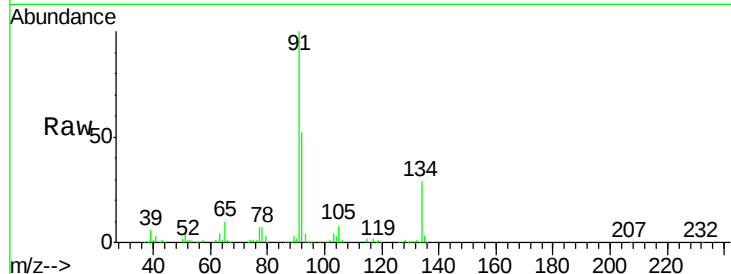
#89
n-Butylbenzene
Concen: 19.271 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Instrument :
MSVOA_D
ClientSampleId :
VD0810SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.3
134	28.4	14.0	41.9

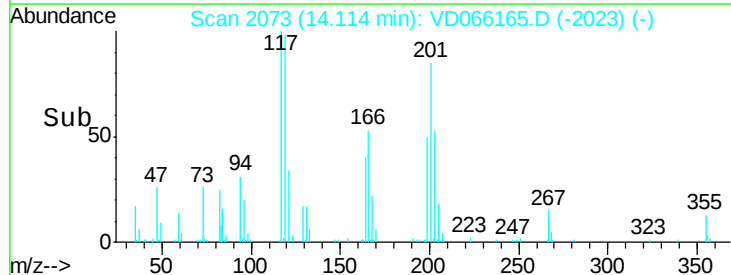
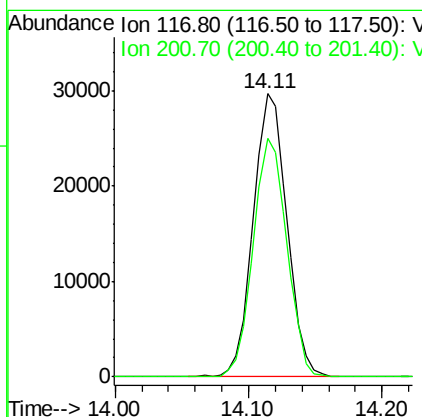
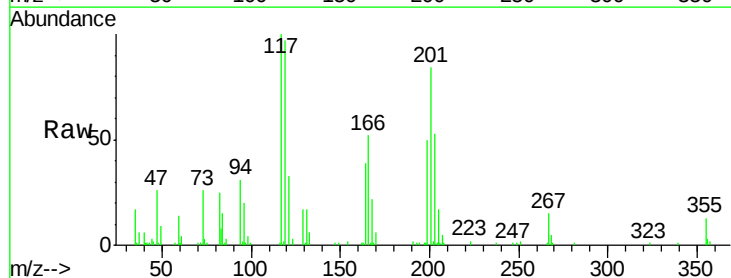
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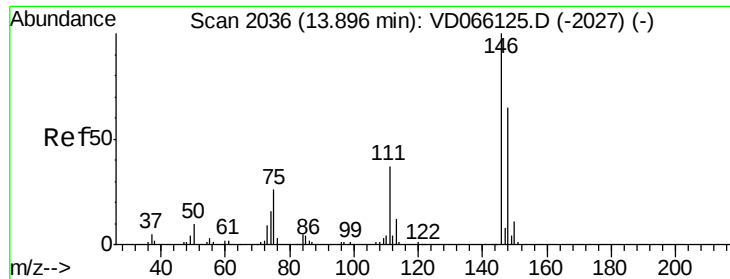
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#90
Hexachloroethane
Concen: 18.764 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066165.D
Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.7	128.1





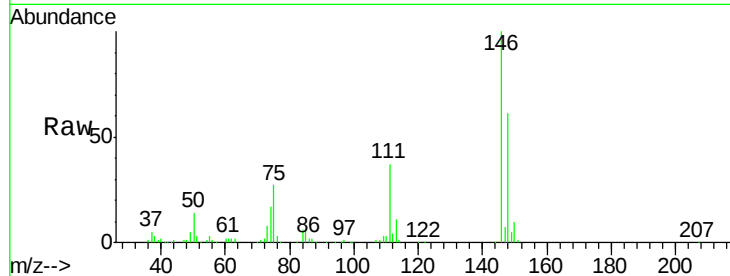
#91
 1,2-Dichlorobenzene
 Concen: 19.218 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

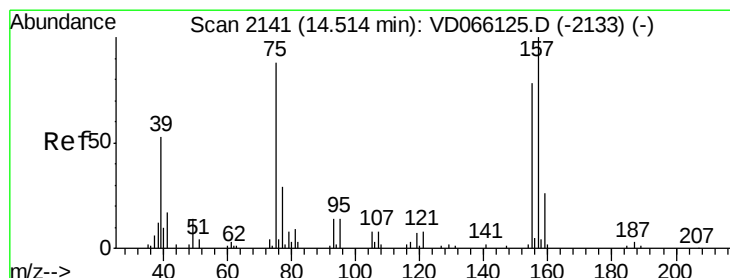
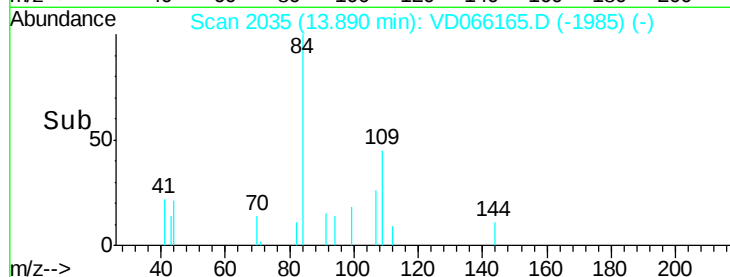
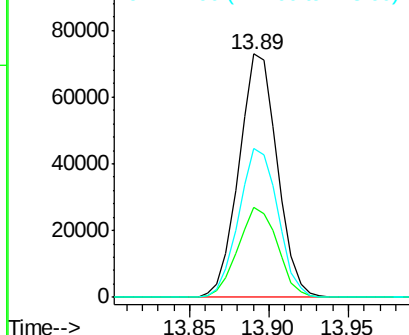
Tot Ion	Ratio	Resp	Lower	Upper
146	100	122038		
111	38.5		18.8	56.3
148	62.6		31.9	95.5

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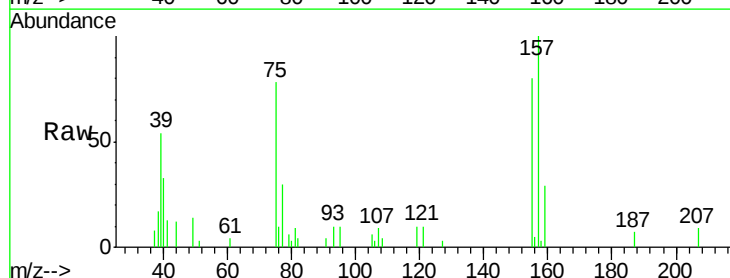


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

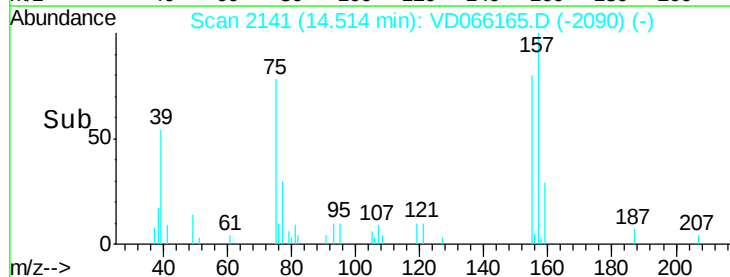
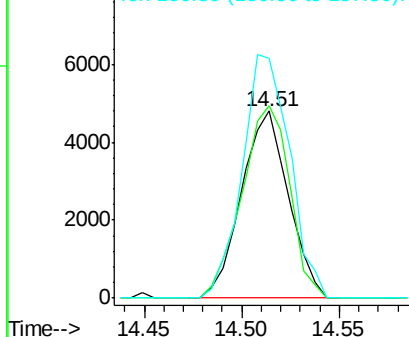


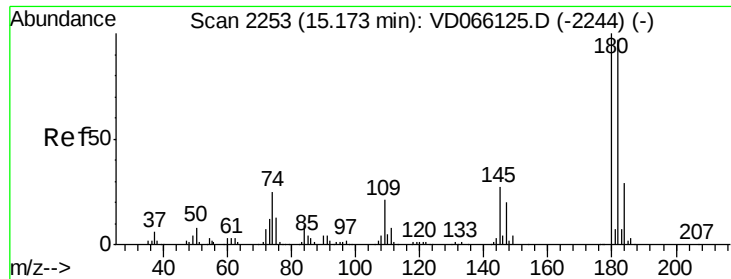
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.379 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7994		
155	104.8		47.7	143.1
157	132.0		62.1	186.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





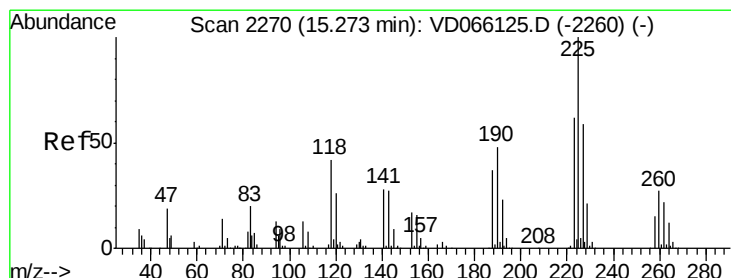
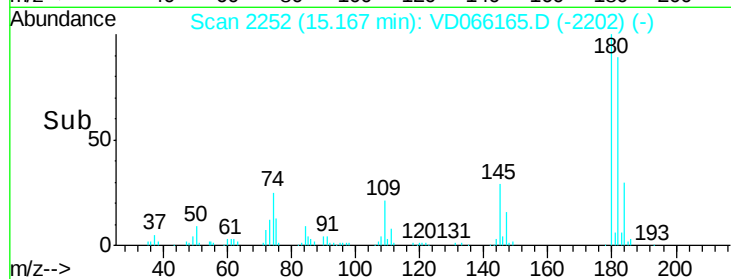
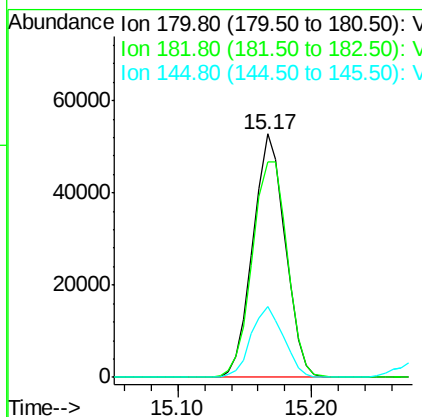
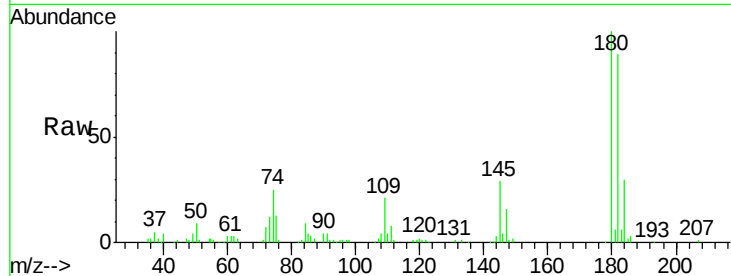
#93
 1,2,4-Trichlorobenzene
 Concen: 18.886 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	29.4	14.5	43.6

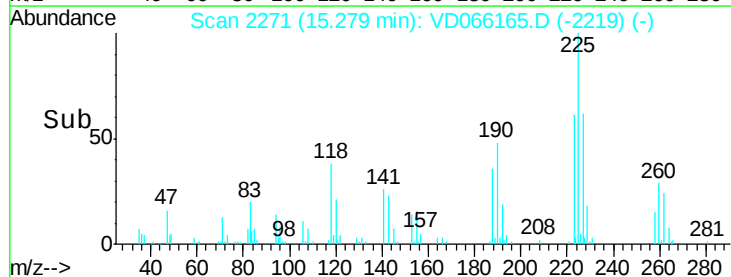
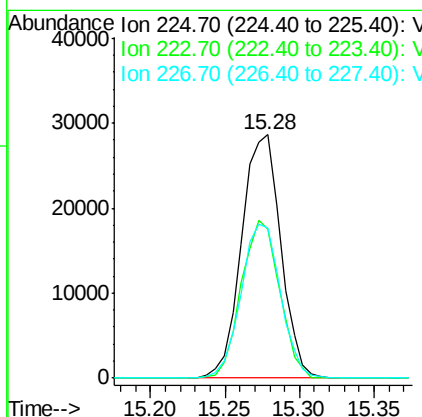
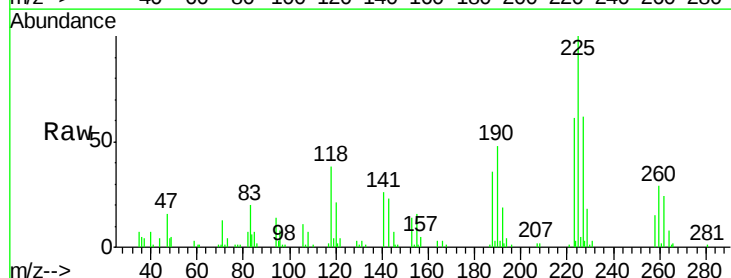
Manual Integrations
 APPROVED

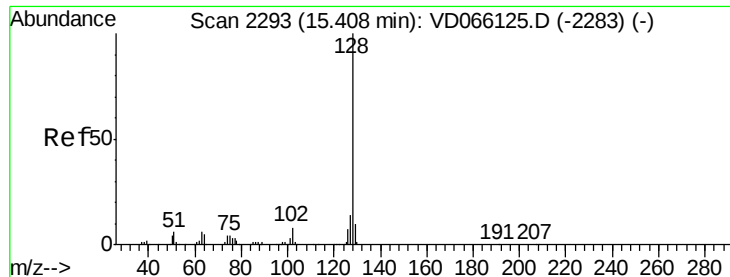
MMDadoda
 8/11/2020 3:19:27 PM



#94
 Hexachlorobutadiene
 Concen: 18.839 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066165.D
 Acq: 10 Aug 2020 15:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.3	96.9
227	63.7	32.1	96.5





#95

Naphthalene

Concen: 18.938 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Instrument :

MSVOA_D

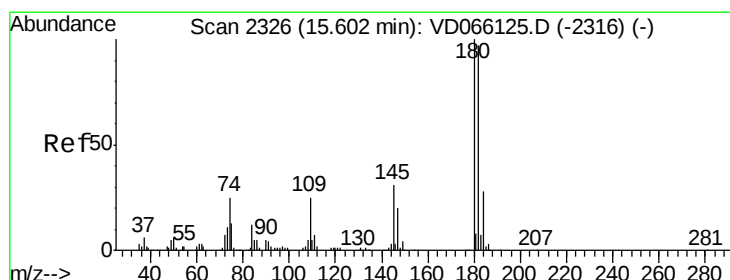
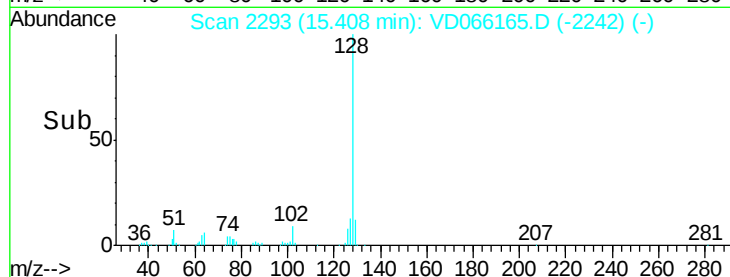
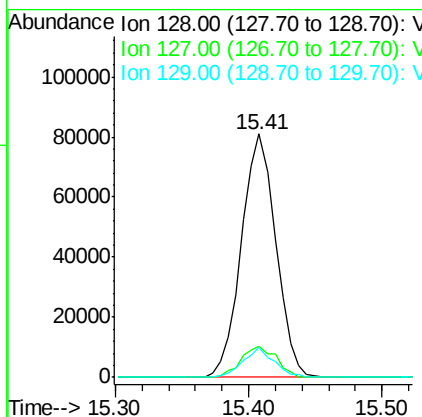
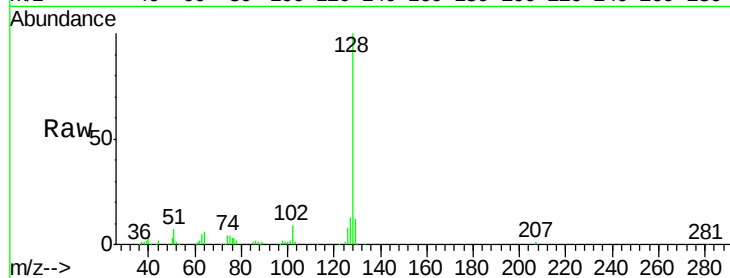
ClientSampleId :

VD0810SBS01

Tot Ion:	128	Resp:	144410
Ion Ratio	Lower	Upper	
128	100		
127	13.2	11.0	16.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/11/2020 3:19:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.149 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066165.D

Acq: 10 Aug 2020 15:33

Tgt Ion:	180	Resp:	79110
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.1	141.4
145	30.1	14.9	44.9

